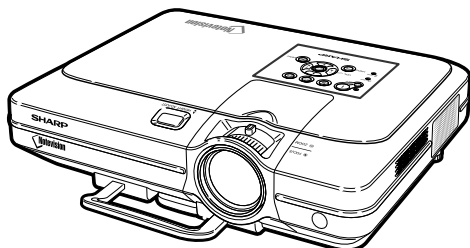


SHARP SERVICE MANUAL SERVICE-ANLEITUNG

S82O8XG-C50XU



LCD PROJECTOR LCD PROJEKTOR

MODEL
MODELL **XG-C50X**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

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Specifications

Product type	LCD Projector
Model	XG-C50X
Video system	NTSC 3.58/NTSC 4.43/PAL/PAL-M/PAL-N/PAL 60/SECAM/ DTV480I/DTV480P/DTV540P/DTV580I/DTV580P/DTV720P/DTV1035I/DTV1080I
Display method	LCD panel × 3, RGB optical shutter method
LCD panel	Panel size: 0.99" (25.1 mm) (15 [H] × 20 [V] mm) No. of dots: 786,432 dots (1,024 [H] × 768 [V])
Standard lens	1–1.27 × zoom lens, F1.7–2.2, f = 36.5–46.3 mm
Projection lamp	AC 250 W lamp
Component input signal	15-pin mini D-sub connector
(INPUT1/2)	Y: 1.0 Vp-p, sync negative, 75 Ω terminated P _B : 0.7 Vp-p, 75Ω terminated P _R : 0.7 Vp-p, 75Ω terminated
Horizontal resolution	750 TV lines (DTV720P)
Computer RGB input signal	15-pin mini D-sub connector
(INPUT 1/2)	RGB separate/sync on green type analog input: 0–0.7 Vp-p, positive, 75Ω terminated HORIZONTAL SYNC. SIGNAL: TTL level (positive/negative) VERTICAL SYNC. SIGNAL: Same as above
Video input signal	RCA connector: VIDEO, composite video, 1.0 Vp-p, sync negative, 75Ω terminated
(INPUT 3)	
S-video input signal	4-pin Mini DIN connector
(INPUT 4)	Y (luminance signal): 1.0 Vp-p, sync negative, 75Ω terminated C (chrominance signal): Burst 0.286 Vp-p, 75Ω terminated
Computer control signal (RS-232C)	9-pin mini DIN connector
Pixel clock	12–230 MHz
Vertical frequency	43–200 Hz*
Horizontal frequency	15–126 kHz
Audio input signal	ø3.5 mm minijack: AUDIO, 0.5 Vrms, more than 47 kΩ (stereo)
Audio output	3.0 W (monaural)
Speaker system	4 cm × 7 cm
Rated voltage	AC 100–240 V
Input current	3.4 A
Rated frequency	50/60 Hz
Power consumption (normal)	340 W (Standard mode)/290 W (Low power mode)
Power consumption (standby)	About 0.8 W (When "Mntr.out/RS232" is set to "OFF")
Heat dissipation	1,280 BTU/hour
Operating temperature	41°F to 104°F (+5°C to +40°C)
Storage temperature	–4°F to 140°F (–20°C to +60°C)
Cabinet	Plastic
I/R carrier frequency	38 kHz
Dimensions (approx.)	15 3/8" × 3 7/8" × 11 1/16" (390 (W) × 99.0 (H) × 294 (D) mm) (main body only) 15 1/2" × 4 7/16" × 11 5/8" (393 (W) × 114.0 (H) × 303.2 (D) mm) (including adjustment foot and projecting parts)
Weight (approx.)	10.8 lbs. (4.9 kg)
Supplied accessories	Remote control, Two R-6 batteries, Power cord for U.S., Canada etc. (11'10", 3.6 m), Power cord for Europe, except U.K. (6', 1.8 m), Power cord for U.K., Hong Kong and Singapore (6', 1.8 m), Power cord for Australia, New Zealand and Oceania (6', 1.8 m), RGB cable (9'10", 3 m), USB cable (9'10", 3 m), Computer audio cable (9'10", 3 m), DIN-D-sub RS-232C adaptor (6 45/64", 15 cm), Extra air filter, Lens cap (attached), Dust cover, Projector manual and technical reference CD-ROM, Sharp Advanced Presentation Software CD-ROM, Operation manual, Quick reference label
Replacement parts	Lamp unit (Lamp/cage module) (BQC-XGC50X//1), Remote control (RRMCGA029WJSA), Two R-6 batteries ("AA" size, UM/SUM-3, HP-7, or similar), Power cord for U.S., Canada etc. (QACCDAA010WJPZ), Power cord for Europe, except U.K. (QACCV4002CEZZ), Power cord for U.K., Hong Kong and Singapore (QACCBAA012WJPZ), Power cord for Australia, New Zealand and Oceania (QACCL3022CEZZ), RGB cable (QCNWGA012WJPZ), USB cable (QCNWGA014WJPZ), Computer audio cable (QCNWGA013WJPZ), DIN-D-sub RS-232C adaptor (QCNWGA015WJPZ), Air filter (PFILDA005WJZZ), Lens cap (PCAPHA003WJSA), Dust cover (GCOVDA001WJZZ), Projector manual and technical reference CD-ROM (UDSKAA007WJZZ), Sharp Advanced Presentation Software CD-ROM (UDSKAA005WJN1), Operation manual (TINS-A163WJZZ), Quick reference label

* Temporary noise may be visible with vertical frequencies above 100Hz if OSD functions are activated.

This SHARP projector uses a LCD (Liquid Crystal Display) panel. This very sophisticated panel contains 786,432 pixels (× RGB) TFTs (Thin Film Transistors). As with any high technology electronic equipment such as large screen TVs, video systems and video cameras, there are certain accept-

able tolerances that the equipment must conform to. This unit has some inactive pixels within acceptable tolerances which may result in inactive dots on the picture screen. This will not affect the picture quality or the life expectancy of the unit.

Specifications are subject to change without notice.

IMPORTANT SERVICE SAFETY NOTES (for USA)

■ Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and servicing guidelines as follows:

WARNING

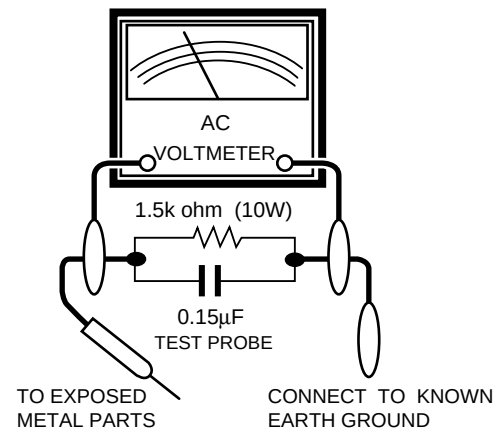
1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

BEFORE RETURNING THE PROJECTOR: (Fire & Shock Hazard)

Before returning the projector to the user, perform the following safety checks:

1. Inspect lead wires are not pinched between the chassis and other metal parts of the projector.
2. Inspect all protective devices such as non-metallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for current leakage in the following manner:
 - Plug the AC cord directly into a 120-volt AC outlet, (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in parallel between all exposed metal cabinet parts and earth ground.

- Use an AC voltmeter with sensitivity of 5000 ohm per volt., or higher, sensitivity to measure the AC voltage drop across the resistor (See Diagram).
 - All checks must be repeated with the AC plug connection reversed. (If necessary, a non-polarized adapter plug must be used only for the purpose of completing these checks.)
- Any reading of 0.3 volts RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the unit to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in Projector have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by “ $\triangle$ ” and shaded areas in the Replacement Parts Lists and Schematic Diagrams. For continued protection, replacement parts must be identical to those used in the original circuit. The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

WARNING: The bimetallic component has the primary conductive side exposed. Be very careful in handling this component when the power is on.

AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les projecteur à présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue.

Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque “ $\triangle$ ” et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques. Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies ou autres accidents.

AVERTISSEMENT: La composante bimétallique dispose du conducteur primaire dénudé. Faire attention lors de la manipulation de cette composante sous tension.

NOTE TO SERVICE PERSONNEL

UV-RADIATION PRECAUTION

The light source, metal halide lamp, in the projector emits small amounts of UV-Radiation.

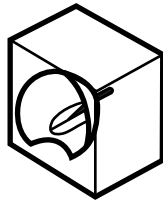
AVOID DIRECT EYE AND SKIN EXPOSURE.

To ensure safety please adhere to the following:

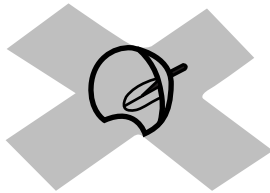
1. Be sure to wear sun-glasses when servicing the projector with the lamp turned "on" and the top enclosure removed.



2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



UV-Radiation and Medium Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. Replace only with same type lamp. Type BQC-XGC50X//1 rated 85V/250W.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The medium pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

NOTE POUR LE PERSONNEL D'ENTRETIEN

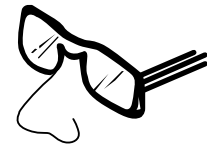
PRECAUTION POUR LES RADIATIONS UV

La source de lumière, la lampe métal halide, dans le projecteur émet de petites quantités de radiation UV.

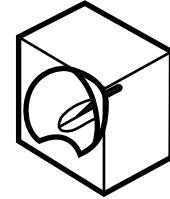
EVITEZ TOUTE EXPOSITION DIRECTE DES YEUX ET DE LA PEAU.

Pour votre sécurité, nous vous prions de respecter les points suivants:

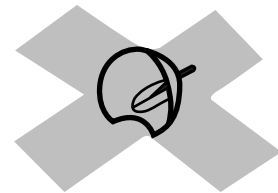
1. Toujours porter des lunettes de soleil lors d'un entretien du projecteur avec la lampe allumée et le haut du coffret retiré.



2. Ne pas faire fonctionner la lampe à l'extérieur du boîtier de lampe.



3. Ne pas faire fonctionner plus de 2 heures avec le coffret retiré.



Précautions pour les radiations UV et la lampe moyenne pression

1. Toujours débrancher la fiche AC lors du remplacement de la lampe.
2. Laisser l'unité refroidir pendant une heure avant de procéder à l'entretien.
3. Ne remplacer qu'avec une lampe du même type. Type BQC-XGC50X//1 caractéristique 85V/250W.
4. La lampe émet de petites quantités de radiation UV-éviter tout contact direct avec les yeux.
5. La lampe moyenne pression implique un risque d'explosion. Toujours suivre les instructions d'installation décrites ci-dessous et manipuler la lampe avec soin.

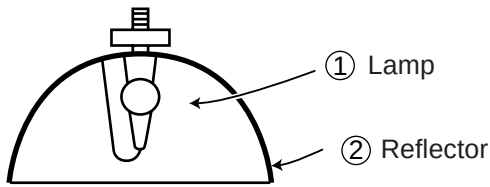
UV-RADIATION PRECAUTION (Continued)

■ Lamp Replacement

Note:

Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.) Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ②.

[Use original replacement only.]



DANGER ! — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

Since small amounts of UV-Radiation are emitted from an opening between the duct cover and the lamp housing, it is recommended to place the LENS CAP on the opening during servicing to avoid eye and skin exposure.

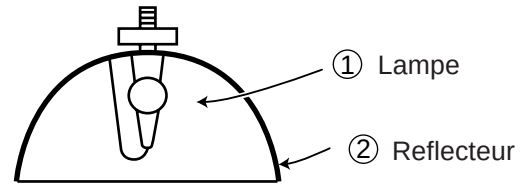
PRECAUTION POUR LES RADIATIONS UV (Suite)

■ Remplacement de la lampe

Remarque:

Comme la lampe devient très chaude pendant le fonctionnement de l'unité, son remplacement ne doit être effectué au moins une heure après avoir coupé l'alimentation (pour permettre à la lampe de refroidir). En installant la nouvelle lampe, s'assurer de ne pas toucher la lampe (ampoule). Remplacer la lampe en tenant son réflecteur ②.

[N'utiliser qu'un remplacement d'origine.]



DANGER ! — Ne jamais mettre sous tension sans la lampe pour éviter un choc électrique ou des dommages des appareils car le stabilisateur génère de hautes tensions à sa mise en route.

Comme de petites quantités de radiation UV sont émises par une ouverture entre le couvercle du conduit et le boîtier de la lampe, il est recommandé de placer le CAPUCHON D'OPTIQUE sur l'ouverture pendant l'entretien pour éviter une exposition des yeux et la peau.

WARNING: High brightness light source, do not stare into the beam of light, or view directly. Be especially careful that children do not stare directly in to the beam of light.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO MOISTURE OR WET LOCATIONS.



CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT REMOVE SCREWS
EXCEPT SPECIFIED USER
SERVICE SCREWS



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE CABINET.
NO USER-SERVICEABLE PARTS EXCEPT LAMP UNIT.
REFER SERVICING TO QUALIFIED SERVICE
PERSONNEL.



The lighting flash with arrowhead within a triangle is intended to tell the user that parts inside the product are risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the manual with the projector.

AVERTISSEMENT: Source lumineuse de grande intensité. Ne pas fixer le faisceau lumineux ou le regarder directement. Veiller particulièrement à éviter que les enfants ne fixent directement le faisceau lumineux.

AVERTISSEMENT: AFIN D'EVITER TOUT RISQUE D'INCENDIE OU D'ELECTROCUTION, NE PAS PLACER CET APPAREIL DANS UN ENDROIT HUMIDE OU MOUILLE.



ATTENTION

RISQUE
D'ELECTROCUTION NE
PAS RETIRER LES VIS, A
L'EXCEPTION DES VIS DE
REPARATION UTILISATEUR
SPECIFIEES



ATTENTION: POUR EVITER TOUT RISQUE
D'ELECTROCUTION, NE PAS RETIRER LE CAPOT.
AUCUNE DES PIECES INTERIEURES N'EST REPARABLE
PAR L'UTILISATEUR, A L'EXCEPTION DE L'UNITE DE
LAMPE. POUR TOUTE REPARATION, S'ADRESSER A UN
TECHNICIEN D'ENTRETIEN QUALIFIE.



L'éclair terminé d'une flèche à l'intérieur d'un triangle indique à l'utilisateur que les pièces se trouvant dans l'appareil sont susceptibles de provoquer une décharge électrique.



Le point d'exclamation à l'intérieur d'un triangle indique à l'utilisateur que les instructions de fonctionnement et d'entretien sont détaillées dans les documents fournis avec le projecteur.

Precautions for using lead-free solder

1 Employing lead-free solder

"Input, Output, R/C Receiver, Key and Fan PWB" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LFa

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldening bit, contact our service station or service ranch in your area.

3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you conurm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

if a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

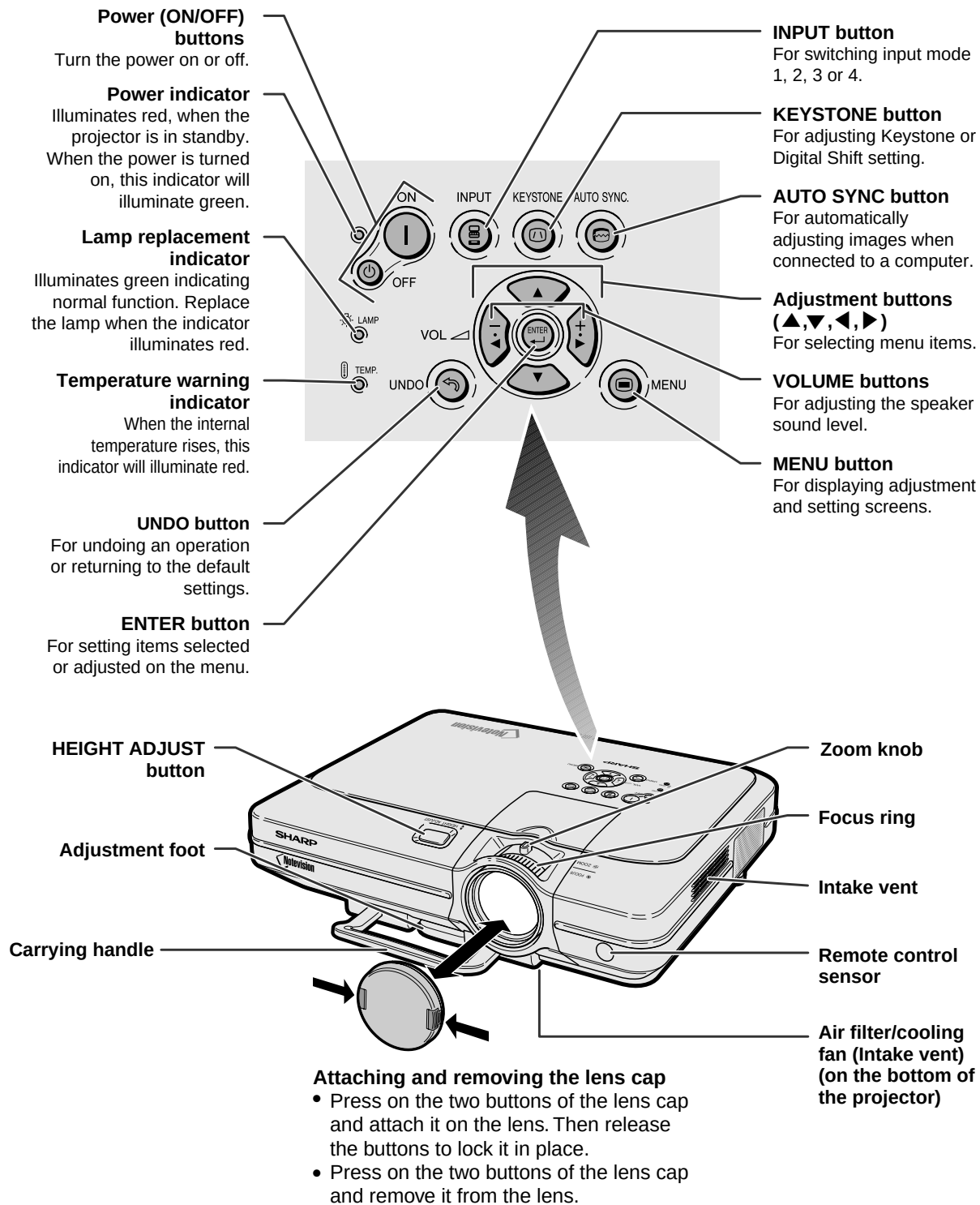
Becareful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

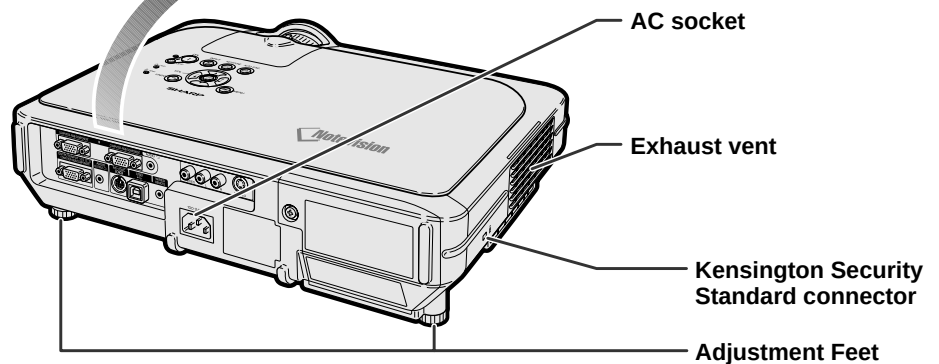
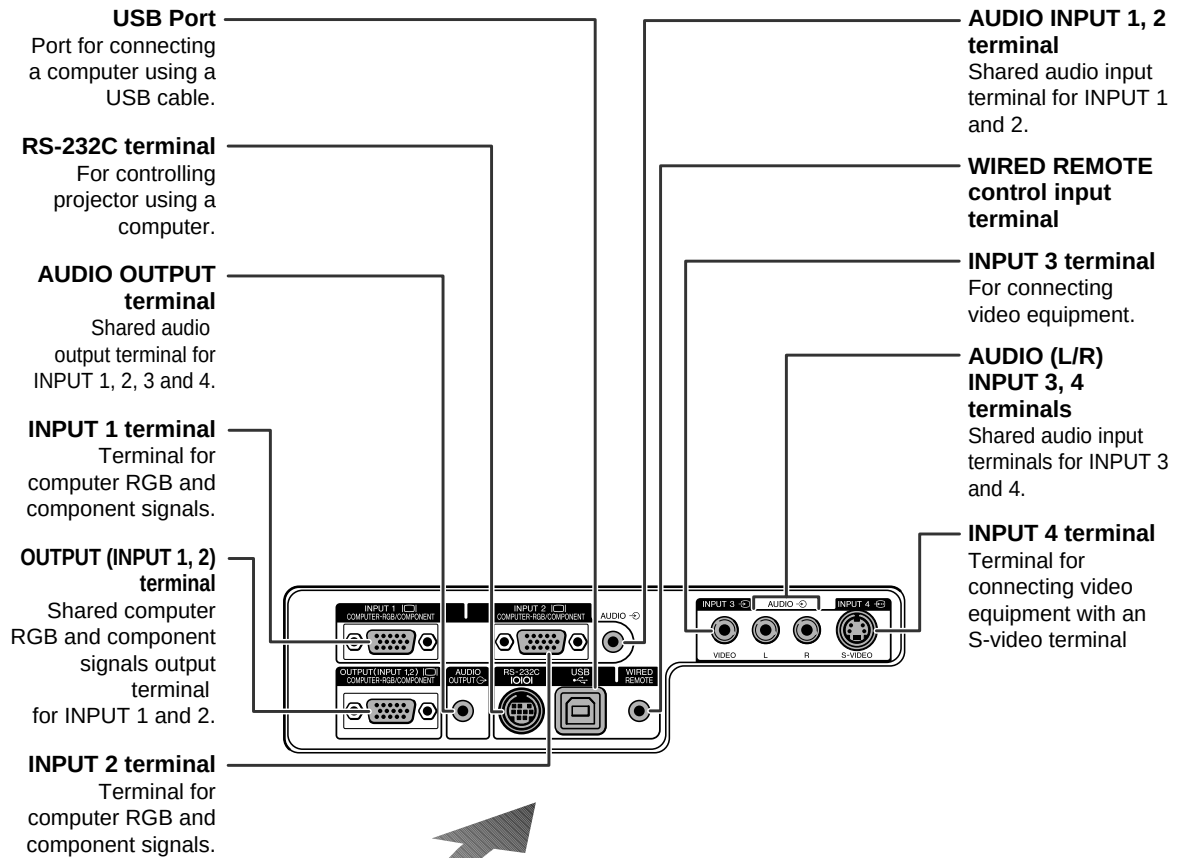
Part No.	★	Description	Code
ZHNDai123250E	J	φ0.3mm 250g(1roll)	BL
ZHNDai126500E	J	φ0.6mm 500g(1roll)	BK
ZHNDai12801KE	J	φ1.0mm 1kg(1roll)	BM

Location of Controls

Projector (Front and Top View)



Projector (Rear View)

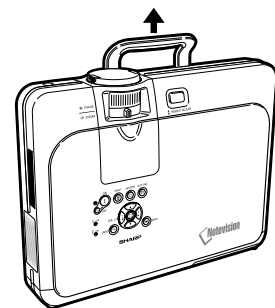


Using the Kensington Lock

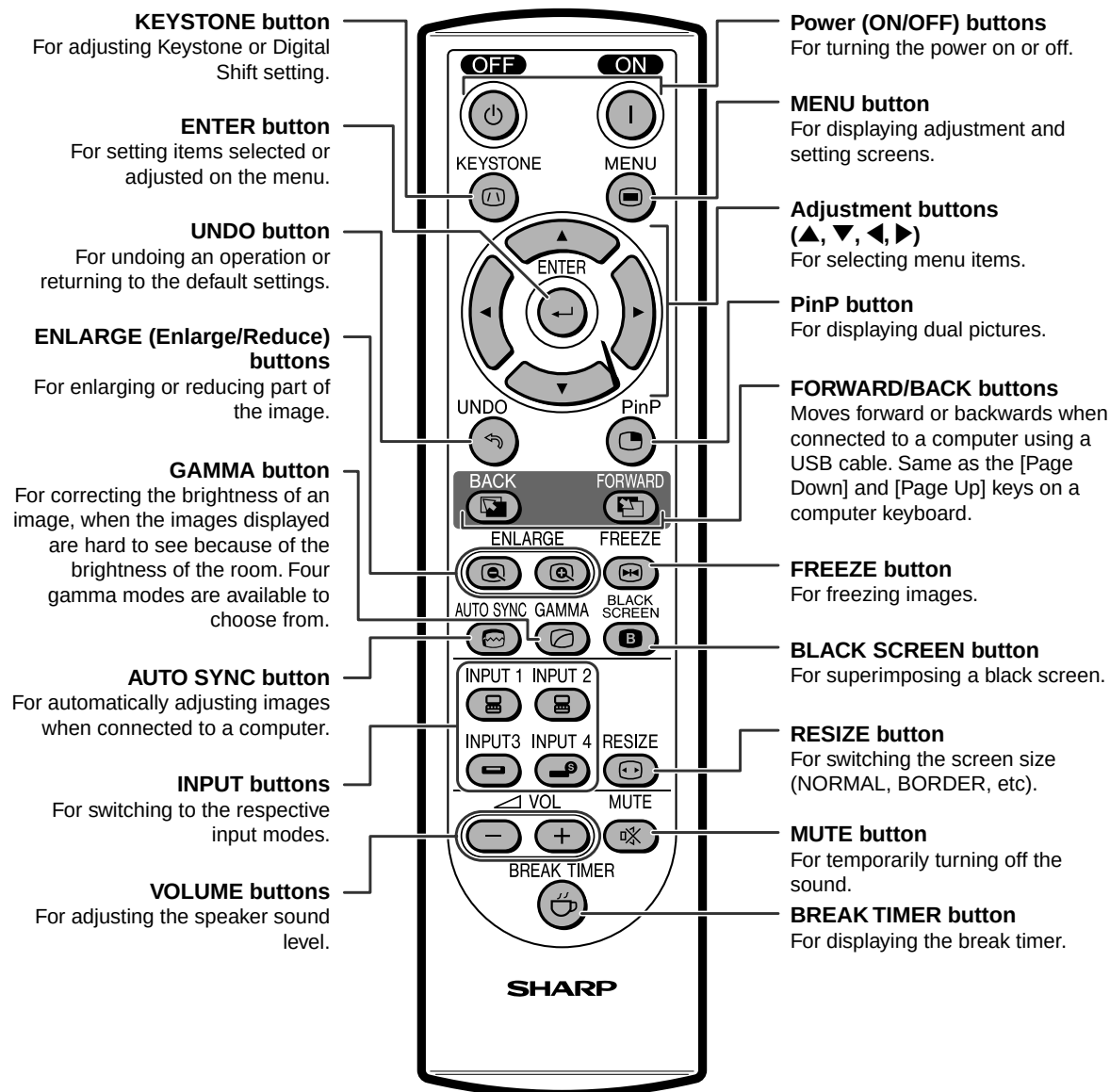
- This projector has a Kensington Security Standard connector for use with a Kensington MicroSaver Security System. Refer to the information that came with the system for instructions on how to use it to secure the projector.

Carrying the projector

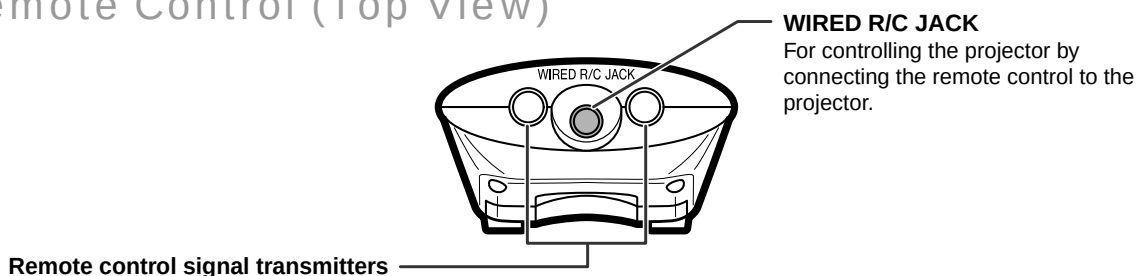
Before carrying the projector, fully extend the carrying handle.



Remote Control (Front View)

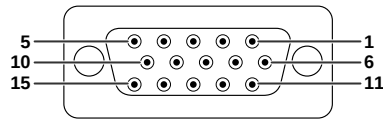


Remote Control (Top View)



Connection Pin Assignments

INPUT 1/2 RGB and OUTPUT Signal Terminal: 15-pin Mini D-sub female connector



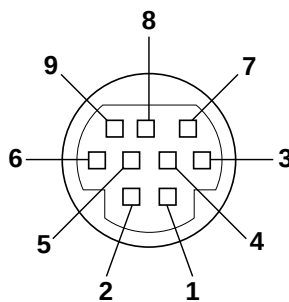
RGB Input

1. Video input (red)
2. Video input (green/sync on green)
3. Video input (blue)
4. Reserve input 1
5. Composite sync
6. Earth (red)
7. Earth (green/sync on green)
8. Earth (blue)
9. Not connected
10. GND
11. GND
12. Bi-directional data
13. Horizontal sync signal
14. Vertical sync signal
15. Data clock

Component Input

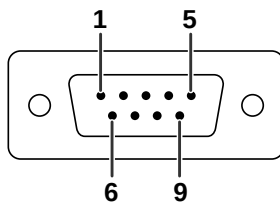
1. P_R (C_R)
2. Y
3. P_B (C_B)
4. Not connected
5. Not connected
6. Earth (P_R)
7. Earth (Y)
8. Earth (P_B)
9. Not connected
10. Not connected
11. Not connected
12. Not connected
13. Not connected
14. Not connected
15. Not connected

RS-232C Terminal: 9-pin Mini DIN female connector



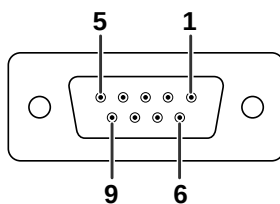
Pin No.	Signal	Name	I/O	Reference
1	VCC	+3.3V (Reserved)	Output	Not connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4	EXIR	Detector of Option Unit (Reserved)	Input	Not connected
5	SG	Signal Ground		Connected to internal circuit
6	ERX	IR Receive Signal from IR Amplifier (Reserved)	Input	Not connected
7	RS	Request to Send	Output	Not connected
8	CS	Clear to Send	Input	Not connected
9	ETX	IR Transmit Signal (Reserved)	Output	Not connected

9-pin D-sub male connector of the DIN-D-sub RS-232C adaptor



Pin No.	Signal	Name	I/O	Reference
1	CD	N		ot connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4	ER	N		ot connected
5	SG	Signal Ground		Connected to internal circuit
6	DR	Data Set Ready		Not connected
7	RS	Request to Send	Output	Connected to internal circuit
8	CS	Clear to Send	Input	Connected to internal circuit
9	CI	N		ot connected

RS-232C Cable recommended connection: 9-pin D-sub female connector

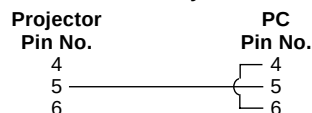


Pin No.	Signal	Pin No.	Signal
1	CD	1	CD
2	RD	2	RD
3	SD	3	SD
4	ER	4	ER
5	SG	5	SG
6	DR	6	DR
7	RS	7	RS
8	CS	8	CS
9	CI	9	CI

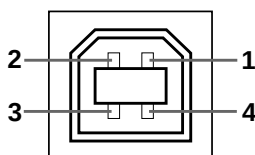


Note

- Depending on the system layout, it is necessary to connect Pin 4 and Pin 6 on the controlling device (e.g. PC).

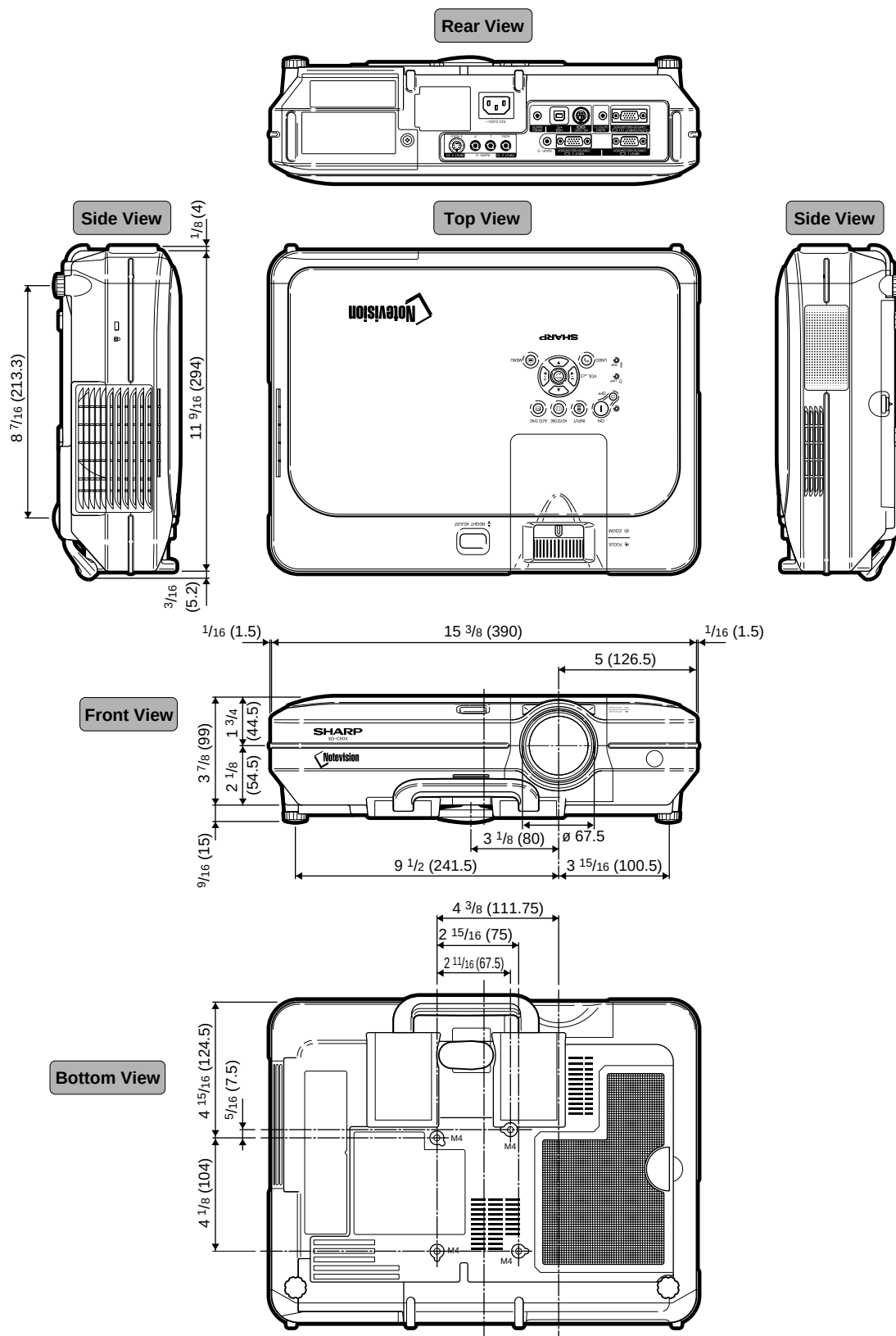


USB Port: 4 pin B-type USB connector



Pin No.	Signal	Name
1	VCC	USB power
2	USB-	USB data-
3	USB+	USB data+
4	SG	Signal Ground

Dimensions



Units: inches (mm)

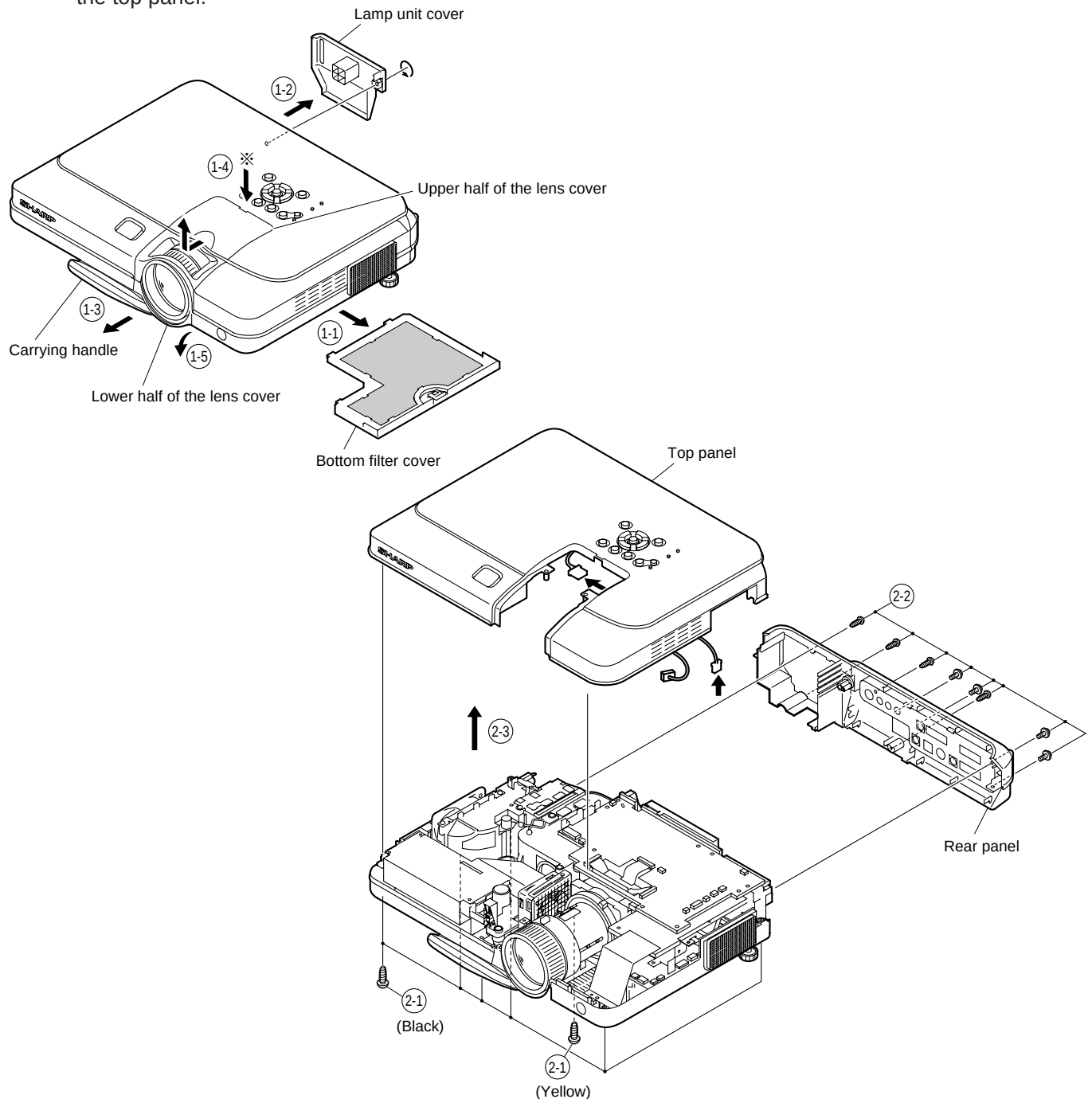
REMOVING OF MAJOR PARTS

1. Removal of the bottom filter cover and lamp unit cover

- 1-1. Detach the bottom filter cover.
- 1-2. Loosen the lock screw from the lamp unit cover, and detach the lamp unit cover.
- 1-3. Pull out the carrying handle.
- 1-4. Press the *marked spot of the upper half of the lens cover to unhook the claw, and detach the upper lens cover.
- 1-5. Detach the lower half of the lens cover.

2. Removal of the top panel and rear panel

- 2-1. Remove the six lock screws (black) and one lock screw (yellow) from the top panel.
- 2-2. Remove the eight lock screws from the rear panel and detach the rear panel.
- 2-3. Slowly lift the top panel and disconnect the connector from the key PWB. Remove another screw and detach the top panel.

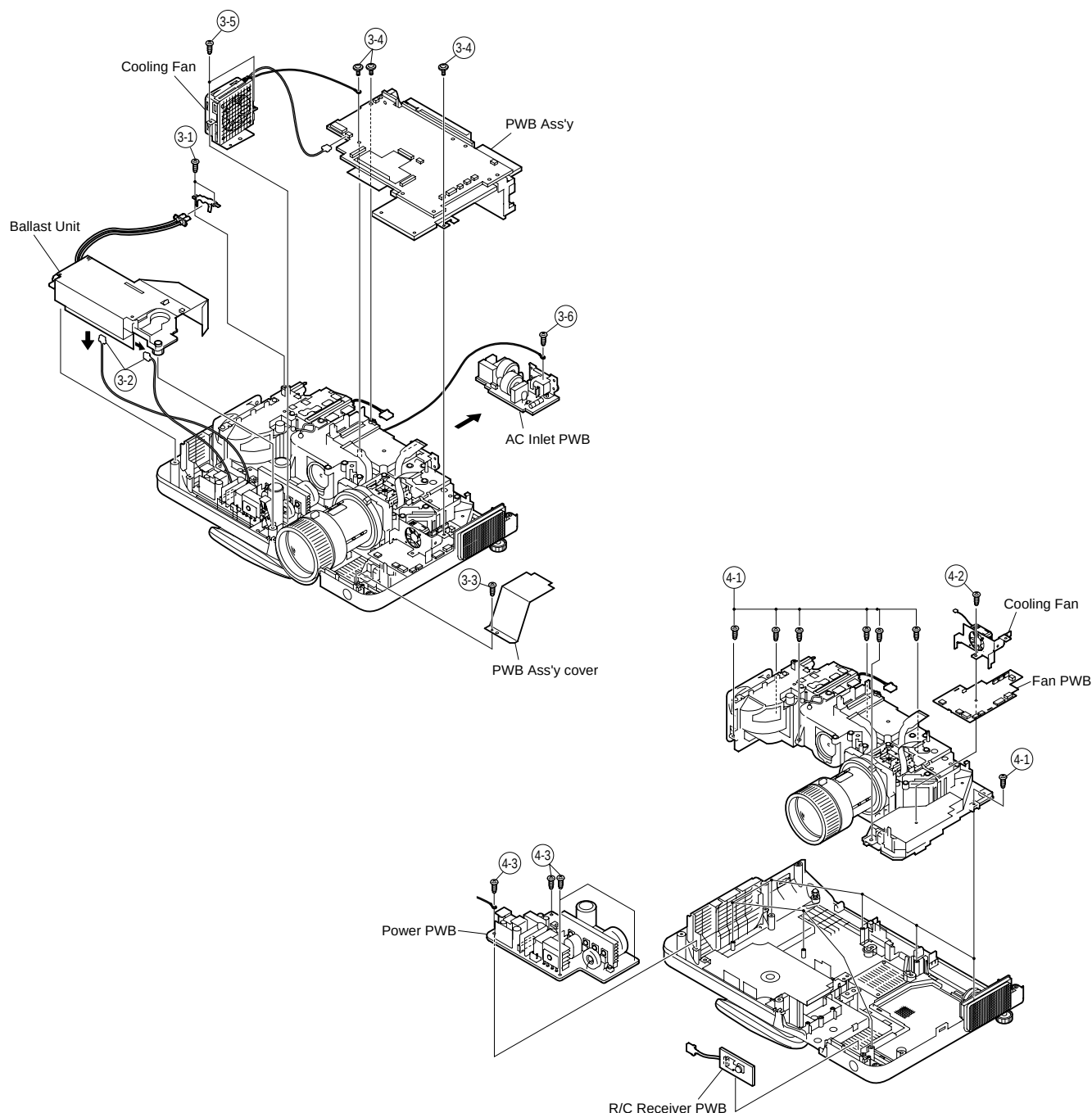


3. Removal of the PWBs

- 3-1. Remove the two lock screws from the lamp socket angle. Detach the lamp socket angle.
- 3-2. Lift the ballast unit. Disconnect the connector and detach the ballast unit.
- 3-3. Remove the lock screw from the PWB unit cover and detach the cover.
- 3-4. Remove the three lock screws from the PWB assembly, disconnect the connector and detach the PWB assembly.
- 3-5. Remove the two lock screws from the cooling fan, disconnect the connector and detach the cooling fan.
- 3-6. Remove the lock screw from the grounding terminal, disconnect the connector and detach the AC inlet PWB.

4. Removal of the optical mechanism, fan PWB, power PWB and R/C receiver PWB

- 4-1. Remove the seven lock screws from the optical mechanism, and take out the optical mechanism.
- 4-2. Remove the lock screw from the cooling fan, and detach the cooling fan and fan PWB.
- 4-3. Remove the four lock screws from the power PWB, and detach the power PWB.
- 4-4. Take out the R/C receiver PWB.

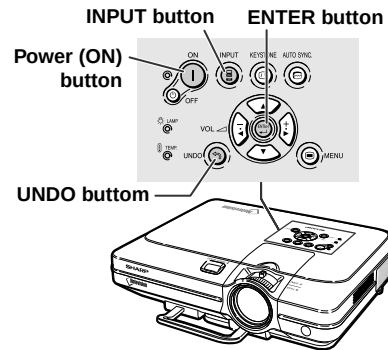
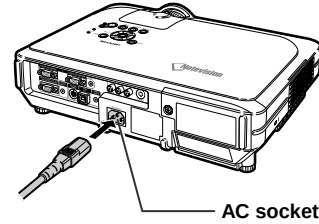


RESETING THE LAMP TIMER

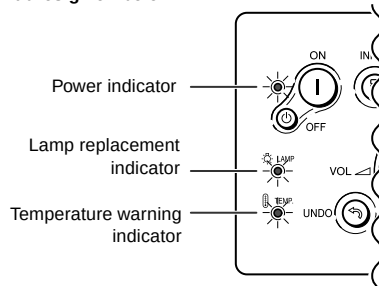
- 1 Connect the power cord.**
 - Plug the power cord into the AC socket of the projector.
- 2 Reset the lamp timer.**
 - While pressing simultaneously  and  on the projector, press  on the projector.
 - "LAMP 100%" is displayed, indicating that the lamp timer is reset.

Info

- Make sure to reset the lamp timer only when replacing the lamp. If you reset the lamp timer and continue to use the same lamp, this may cause the lamp to become damaged or explode.



- The warning lights on the projector indicate problems inside the projector.
- If a problem occurs, either the temperature warning indicator or the lamp replacement indicator will illuminate red, and the power will turn off. After the power has been turned off, follow the procedures given below.



About the temperature warning indicator

If the temperature inside the projector increases, due to blockage of the air vents, or the setting location, "TEMP." will blink in the lower left corner of the picture. If the temperature keeps on rising, the lamp will turn off and the temperature warning indicator will blink, the cooling fan will run for further 90 seconds, then the power will be shut off. After "TEMP." appears, be sure to perform the following measures.



About the lamp replacement indicator

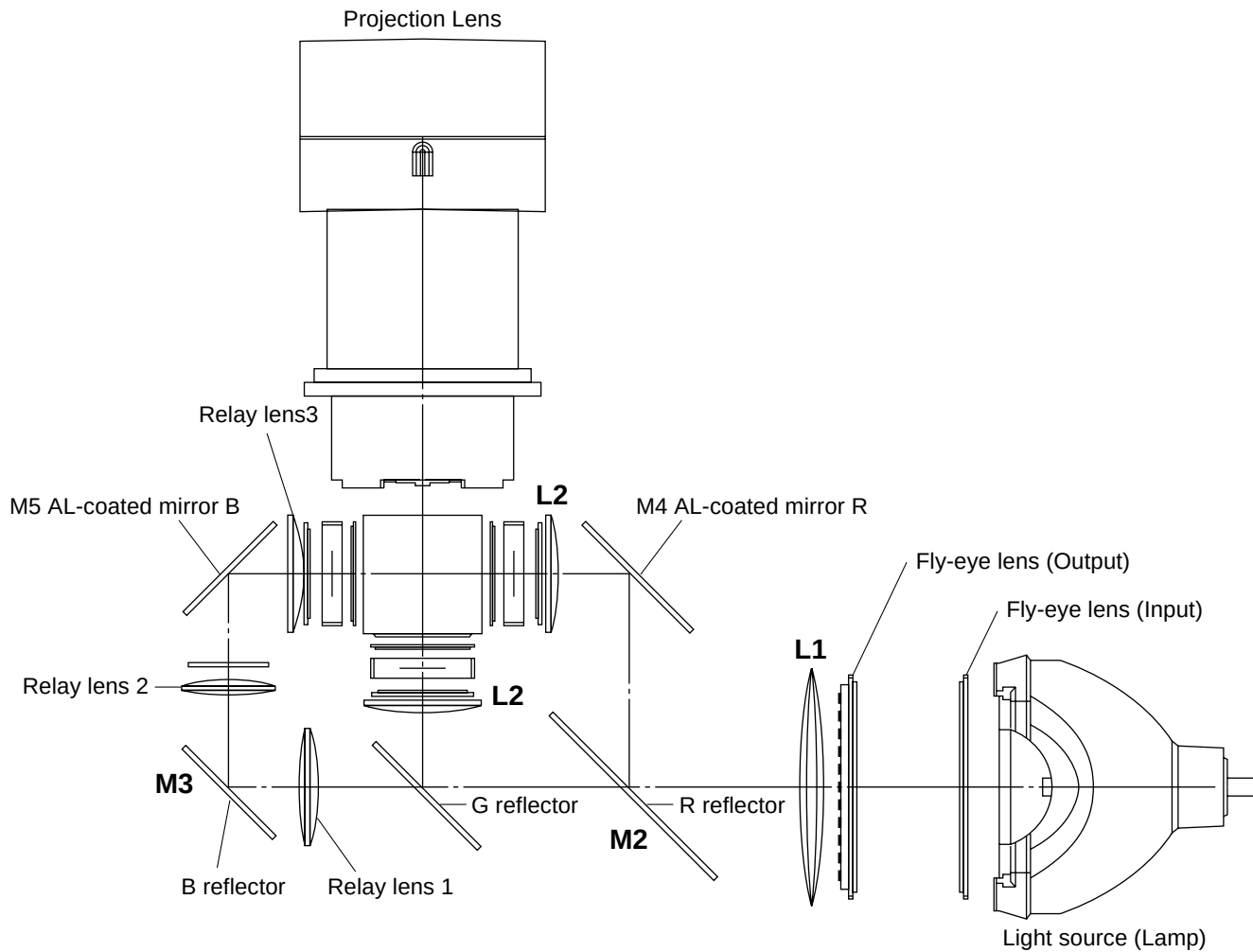


- The lamp life becomes 0%, when used for approximately 2,000 hours with "ON" in "Power Save" or when used for approximately 1,500 hours with "OFF" in "Power Save".
- When the remaining lamp life becomes 6% or less,  will be displayed on the screen in yellow. When the percentage becomes 0%,  will change to  (red), the lamp will automatically turn off and then the projector as well. At this time, the lamp replacement indicator will illuminate in red.
- If you try to turn on the projector a fourth time without replacing the lamp, the projector will not turn on.

	Maintenance indicator		Condition	Problem	Possible Solution
	Normal	Abnormal			
Temperature warning indicator	Off	Red on/ Power off	The internal temperature is abnormally high.	Blocked air intake - Cooling fan breakdown - Internal circuit failure - Clogged air intake	- Relocate the projector to an area with proper ventilation. - Take the projector to your nearest Sharp Authorized Projector Dealer or Service Center for repair.
Lamp replacement indicator	Green on (Green blinks when the lamp is active.)	Red blinks/ Red on	Time to change the lamp	Remaining lamp life becomes 6% or under.	- Carefully replace the lamp. - Take the projector to your nearest Sharp Authorized Projector Dealer or Service Center for repair. - Please exercise care when replacing the lamp.
		Red on/ Power off	The lamp does not illuminate.	- Burnt-out lamp - Lamp circuit failure	
Power indicator	Green on/ Red on	Red blinks	The power indicator blinks in red when the projector is on.	The filter cover, lamp unit cover or lens cover is open.	- Securely install the filter cover. - If the power indicator blinks even when the filter cover is securely installed, contact your nearest Sharp Authorized Projector Dealer or Service Center for advice.

THE OPTICAL UNIT OUTLINE

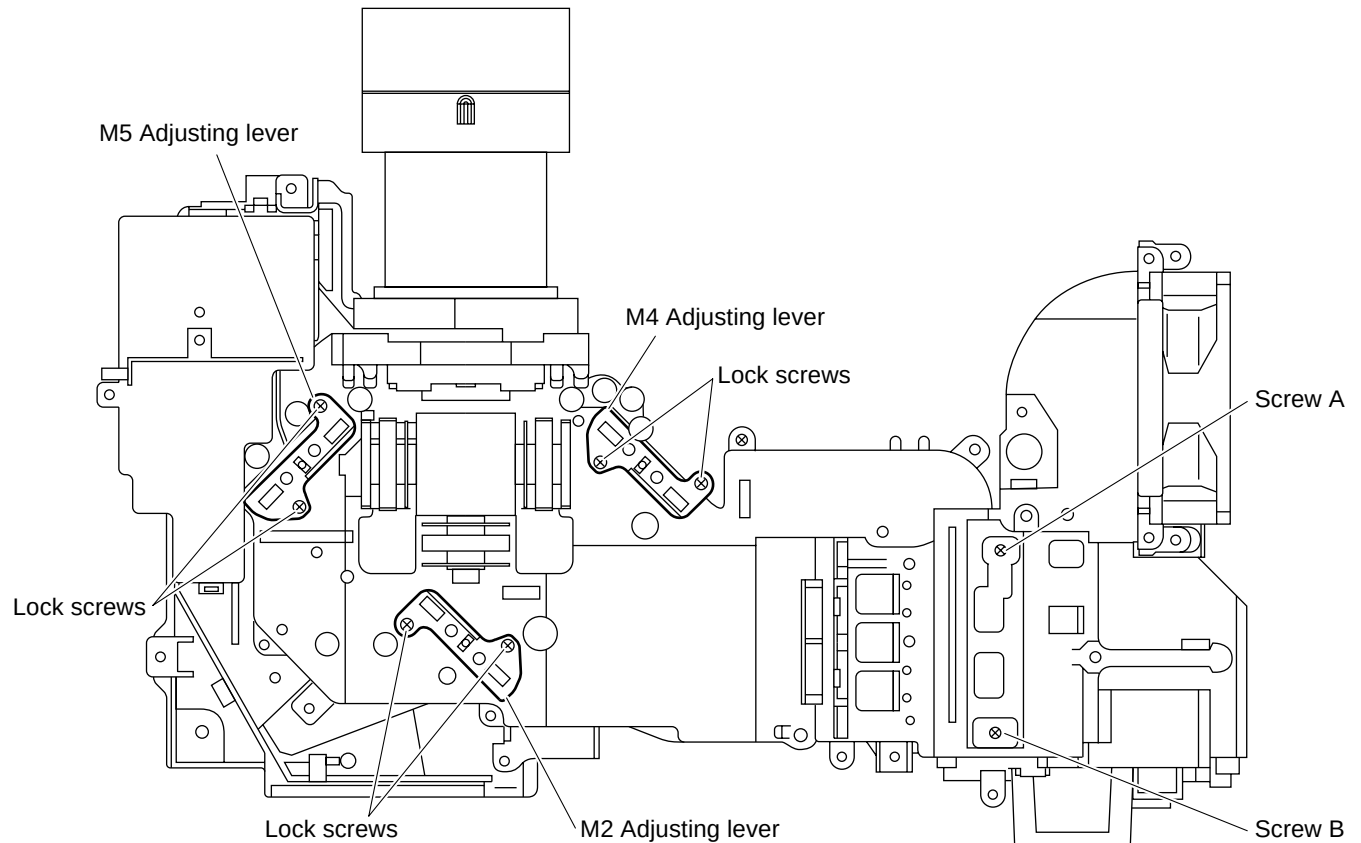
Layout for proper setup of the optical components and parts (top view)



Adjusting the mirrors

This adjustment is needed when any of the optical parts of the optical mechanism has been replaced.

1. Disconnect the flat cables from all the LCD panels.
2. Light up the lamp.
3. Project a white-light image and check to see if there is any color tint in any direction. If any, use the M2, M4 and M5 adjusting levers.
4. Loosen the adjusting lever lock screws, make adjustments, and tighten up the lock screws.



Correcting color irregularities on white-only screen when replacing the lamp

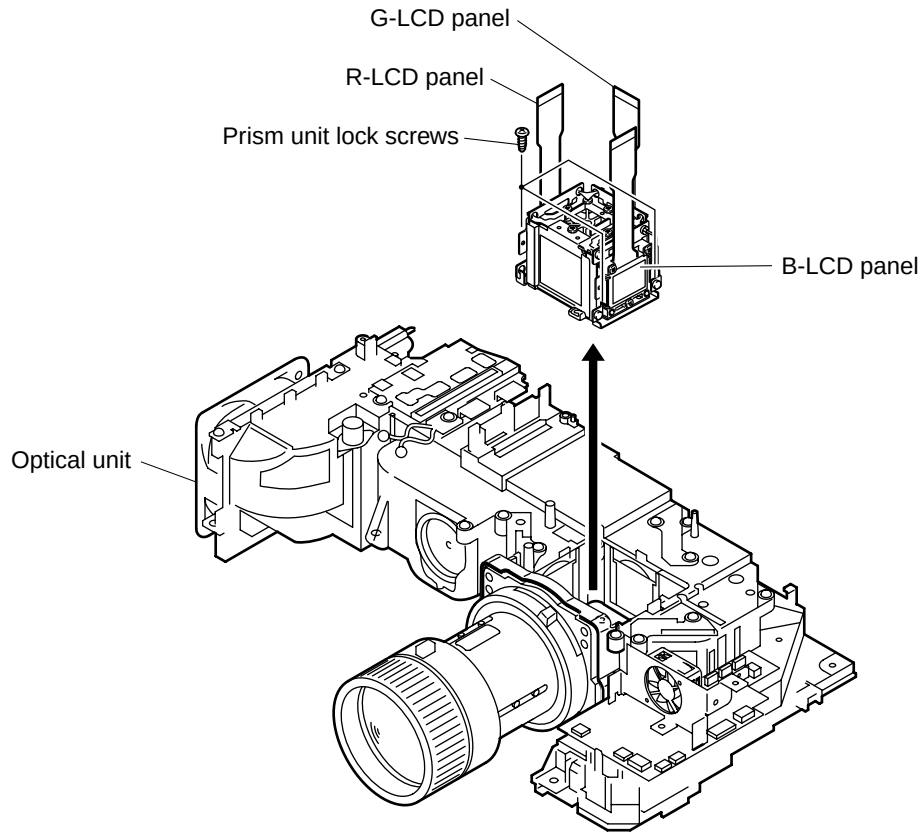
If color irregularities are found at the right and left on a white-only screen after replacing the lamp, it is necessary to readjust the optical axis of the new lamp. Take the following steps.

1. Open the lamp cover and loosen the screws A and B at the bottom of the lamp.
2. Using a screwdriver or the like, move the U-shaped groove at the window D in the arrow direction.
3. Temporarily fix the screws A and B, close the lamp cover, and check the white-only screen again for color irregularities.
4. Repeat the above steps 1 and 2 until there will be no color irregularities. Now tighten up the screws A and B.
5. Finally secure the lamp cover back in position.

Replacing the prism unit

1. Remove the four lock screws, and take the prism holder unit out of the optical unit.
2. Replace the prism unit with new one. Take the above step 1 in reverse order.

Note: Even if just one of the LCD panels is defective, it is necessary to replace the entire prism unit. Do not replace just the defective LCD panel only. Under the present circumstances, please do not touch the display part of LCD.



How to Release the System Lock

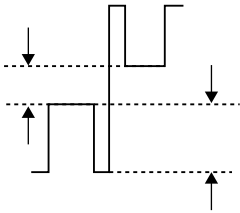
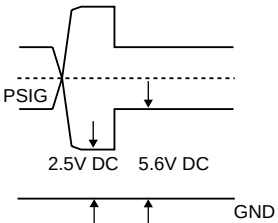
Turn on the power. If the system lock is applied, the system-resetting screen appears. Press the following keys in this order.

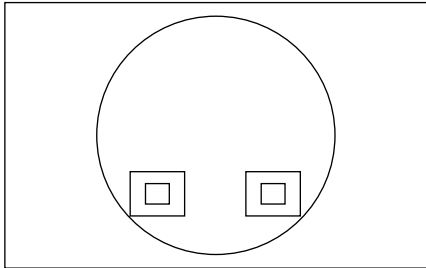
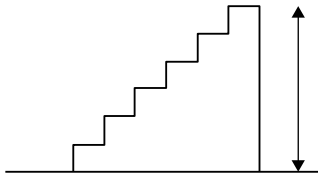
MENU → ENTER → ENTER → MENU → UNDO → UNDO → MENU

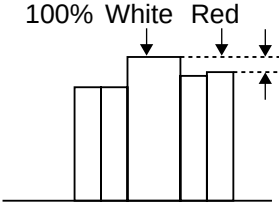
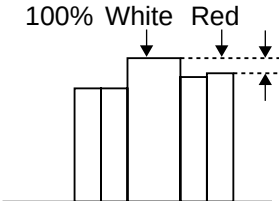
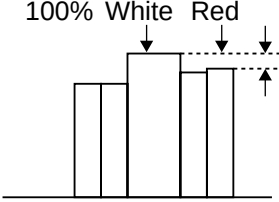


After pressing the MENU key first, press the remaining six keys within 10 seconds.

ELECTRICAL ADJUSTMENT

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
1	Initialization of EEPROM	1. Turn on the power (the lamp lights up) and warm up the system for 15 minutes.	1. Make the following settings. Press S2601 to enter the process mode, and execute S2 on the SSS menu. Now the EEPROM, except for the PC I/F unit, is initialized. Do not execute S1, or the PC I/F unit itself will be initialized. (The PC I/F unit has been factory-adjusted.) To adjust the PC I/F unit, refer to "How to Adjust the PC I/F unit" on the last page.
2	Adjustment of RGB1 black level signal amplitude	1. Select the following group and subjects. Group: OUTPUT1 Subject: G1-BLK, G1-GAIN For the color R, select the subjects R1-BLK and R1-GAIN. For the color B, select the subjects B1-BLK and B1-GAIN. 2. Make sure the process adjustment color bars are displayed. 3. For the color G, connect a oscilloscope to pin (2) of P1301. 4. For the colors R and B, connect the oscilloscope to pin (1) of P1301 and pin (3) of P1301, respectively.	1. Select the subject G1-GAIN. Using the set's control switch or the remote controller button, adjust the setting so that the signal amplitude is 4.0 Vp-p±0.05 V. 2. Select the subject G1-BLK. Using the set's control switch or the remote controller button, adjust the setting so that the white-to-white level is 1.8 Vp-p±0.1 V. 3. Do the same for the other colors R and B.  * The G1 subjects are linked with the R1 and B1 subjects. When the G1-BLK setting has been changed, therefore, the R1-BLK and B1-BLK settings vary themselves accordingly. When the G1-GAIN setting has been changed, equally, the R1-GAIN and B1-GAIN settings vary themselves accordingly. First make the G1 settings and then readjust the R1 and B1 settings as required.
3	Adjustment of PSIG	1. Select the following group and subjects. Group: OUTPUT2 Subject: PSIG-H, PSIG-L Make sure the PSIG-H and PSIG-L settings are 64 and 100, respectively.	1. Get the PSIG waveform displayed. (Feed the XGA signal.)  Adjust the PSIG-H setting. Adjust the PSIG-L setting.

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
4	Checking of sample-and-hold pulse phase	1. Feed the XGA-mode 75-Hz black signal. 2. Select the following group and subject. Group: OUTPUT3 Subject: GCK-PHASE	1. Check the fixed value. Fixed value: 6
5	Adjustment of RGB counter-voltage	1. Feed the counter-voltage adjustment signal (XGA) prepared by the Technical Department. 2. Select the following group and subjects. Group: OUTPUT3 Subject: RC (R), GC (G), BC (B)	1. Using the set's control switch or the remote controller button, adjust the settings to minimize flickers. 2. If the results are inconsistent at the center and on both sides onscreen, readjust the settings to get the same results on both sides.
6	Adjustment of RGB gradation reproduction	1. Feed the SMPTE pattern signal. 2. Select the following group and subject. Group: OUTPUT1 Subject: G1-BLK	1. Confirm that the 100% and 95% white gradation as well as the 0% and 5% black gradation are discernible. 2. If the white gradation looks differently, finely adjust the G1-BLK setting. 
7	Adjustment of RGB white balance	1. Feed the 32-step gray scale signal (XGA, 60 Hz). 2. Select the following group and subjects. Group: OUTPUT1 Subjects: R1-BLK (R), B1-BLK (B)	1. Adjust the R1-BLK and B1-BLK settings to have the specified gradation balance (according to the standard monitor).
8	Adjustment of video AGC	1. Feed the NTSC 10-step gray scale signal. 2. Select the following group and subject. Group: VIDEO Subject: AGC-ADJ 3. Connect the oscilloscope between TP4501 and TP4502	1. Using the set's control switch or the remote controller button, adjust the setting so that the white-to-black level is $0.72 V_{p-p} \pm 0.01 V$. 
9	Adjustment of video brightness/contrast	1. Feed the NTSC100% window pattern signal. 2. Select the following group and subjects. Group: VIDEO Subject: AUTO, PICTURE/BRIGHT	1. Feed the signal. Using the set's control switch or the remote controller button, select the subject AUTO. The setting will adjust itself. 2. Then adjust the PICTURE/BRIGHT setting until the signal becomes bit-less.

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
10	Adjustment of video tint	1. Feed the split color bar signal. 2. Select the following group and subject. Group: VIDEO1 Subject: TINT	1. Confirm the fixed value. Fixed value: 128
11	Adjustment of NTSC color saturation	1. Feed the split color bar signal. 2. Select the following group and subject. Group: VIDEO Subject: N-COLOR * Connect the oscilloscope to pin (1) of P1301.	1. Confirm the fixed value. Fixed value: 54 (Reference: 0.4 Vp-p) 
12	Adjustment of PAL color saturation	1. Feed the PAL color bar signal. 2. Select the following group and subject. Group: VIDEO Subject: P-COLOR * Connect the oscilloscope to pin (1) of P1301.	1. Confirm the fixed value. Fixed value: 51 (Reference: 0.4 Vp-p) 
13	Adjustment of SECAM color saturation	1. Feed the SECAM color bar signal. 2. Select the following group and subject. Group: VIDEO Subject: S-COLOR * Connect the oscilloscope to pin (1) of P1301.	1. Confirm the fixed value. Fixed value: 48 (Reference: 0.5 Vp-p) 
14	Adjustment of video white balance	1. Feed the NTSC monoscope pattern signal. 2. Select the following group and subjects. Group: VIDEO Subjects: V-R1-BLK, V-B1-BLK	1. Using the set's control switch or the remote controller button, adjust the settings to have the same white balance as on the standard monitor.
15	Adjustment of COMPO brightness	1. Feed the 0% gray pattern signal (480I). 2. Select the following group and subject. Group: COMPO Subject: G-BRIGHT	1. Feed the signal to INPUT 1. Adjust the setting so that some bits should be missing onscreen.

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
16	Adjustment of COMPO CB offset and CR offset	1. Feed the Y-0% brightness, Cb and Cr 0% white pattern color difference signal (480I). 2. Select the following group and subject. Group: COMPO Subject: AUTO	1. Feed the signal. Using the set's control switch or the remote controller button, select the subject AUTO. The setting will adjust itself.
17	Adjustment of COMPO white balance	1. Feed the DTV monoscope pattern signal. 2. Select the following group and subjects. Group: DLP Subjects: C-R1-BLK, C-B1-BLK	1. Using the set's control switch or the remote controller button, adjust the settings to have the same white balance as on the standard monitor.
18	Adjustment of sRGB white balance	1. Feed the RGB 50% gray pattern signal. 2. Select the following group and subjects. Group: OUTPUT1 Subjects: S-R1-BLK, S-R1-GAIN, S-G1-BLK, S-G1-GAIN, S-B1-BLK, S-B1-GAIN 3. Have the BM-5 brightness meter and the standard white board at hand.	1. Make the S-R1-BLK setting the same as the R1-BLK one. Make the S-G1-BLK setting the same as the R1-BLK one. Make the S-B1-BLK setting the same as the R1-BLK one. Make the S-R1-GAIN setting the same as the R1-GAIN one. 2. Adjust the S-B1-GAIN and S-G1-GAIN settings so that the chromaticity on the brightness meter should be as follows. x: $.313 \pm 7/1000$ y: $.350 \pm 10/1000$

Teaching intervals: 18

Brightness adjustable direction: Brightness up by increasing the setting (to be checked)

Adjusting points: Three dimension (to be checked)

Gradation 4 (to be checked)

Gradation 5 (to be checked)

Gradation 6 (to be checked)

Other gradations not to be checked

Adjustable colors: R, G and B adjustable (to be checked)

(2) Color irregularity correction (adjustment)

C50 conditions setup ()

Correction procedure settings

Gradation 7: 2. Lower-gradation correction value to be used.

Gradation 6: 0. Correction with correction coefficient.

Gradation 5: 0. Correction with correction coefficient.

Gradation 4: 0. Correction with correction coefficient.

Gradation 3: 1. Upper-gradation correction value to be used.

Gradation 2: 1. Upper-gradation correction value to be used.

Gradation 1: 4. Initial value to be used.

Gradation 0: 4. Initial value to be used.

For the model in question, select the name entered in (2) to start the color irregularity correction. If the set has its optical characteristics rather different from the standard ones or if the set has some color irregularity lines missing, do the teaching for that set in particular. Use its specified correction coefficients in making the adjustment.

No.	Adjustment Items	Adjustment Conditions	Adjustment Procedures
19	Checking and readjustment of white balance	1. The adjusting conditions for each item are as follows: For RGB input, see Item 7. For video input, see Item 13. For COMPO input, see Item 16.	1. Make sure the white balance is as specified on the standard monitor. For readjustment, proceed in the order of RGB input, video input and COMPO input.
20	Checking color-related performance	1. Receive the color bar signal.	1. Select L1 in the process mode. Check the performance of color and tint.
21	Checking of picture-related performance	1. Receive the monoscope pattern signal.	1. Select L2 in the process mode. Check Picture, Brightness and Sharpness.
22	Checking of RGB performance	1. Receive the RGB signal.	1. Select L4 on the process mode. Check Picture, Brightness, Red, Blue, Clock, Phase, H-POS and V-POS.
23	Checking of off-timer performance		1. Select OFF in the process mode. Make sure that the off-timer starts with 5-minute display, counts down 1 minute for 1 second, and turns off when 0 minute is displayed.
24	Checking of thermistor performance	1. Heat the thermistor with a hair dryer.	1. Make sure the temperature is displayed.
25	Automatic sync operation	1. Receive the phase checking pattern signal.	1. Make sure that Clock, Phase, H-POS and V-POS can be automatically adjusted in the VGA/S-VGA/XGA mode.
26	Checking of USB performance	1. Using the USB cable, connect the set to a personal computer.	1. Using the remote controller, make sure that feed and return operations are effective on the screen of the personal computer.
27	Factory settings		1. Make the following settings. Destination / Process adjustment / Remote controller settings North-American models: S4 "Factory Setting 4" Domestic models: S5 "Factory Setting 5" Other models: North-America: S3 "Factory Setting 3"

How to Adjust the PC I/F unit

1. Initialization of EEPROM

- 1) Press SW2601 to enter the process mode.
- 2) Execute S1 on the SSS menu. (By S1, the PC board alone is initialized. Do not execute S2, or all the adjustment data, except for the PC I/F unit, is initialized.)
- 3) Make sure that the program version "VER. XXX" on the SPECIAL menu is the latest one.

2. Level adjustments

2-1. Setting the oscilloscope

Set the oscilloscope's range to DC1V/div and 5 μ S/div.

2-2. Connecting the PC interface

- 1) Connect the specified cable between ANALOG OUTPUT (on the signal generator) and DSUB connector (INPUT1 on the projector).
- 2) Set the projector's input selector to INPUT1.
- 3) Set the signal generator to XGA mode (1024x768, 60Hz, 32-step gradation). Also adjust the output amplitude (between black and white) to 700 mVp-p (terminated with a 75-ohm impedance).
- 4) Turn on the power.

2-3. Adjusting items

1) Adjustment of RGB drive/gain

- (1) Feed the window pattern signal that has 100% and 0% signals.
- (2) Select AUTO among the A/D items in the process mode and make the adjustments.

• Entering the adjustment process mode

There are following two methods.

- Press the SW2001 on the KEY PWB unit.
- Press the following keys in this order.

ON→Adj up→Adj down→Adj up→Adj down→ENTER→ENTER→MENU



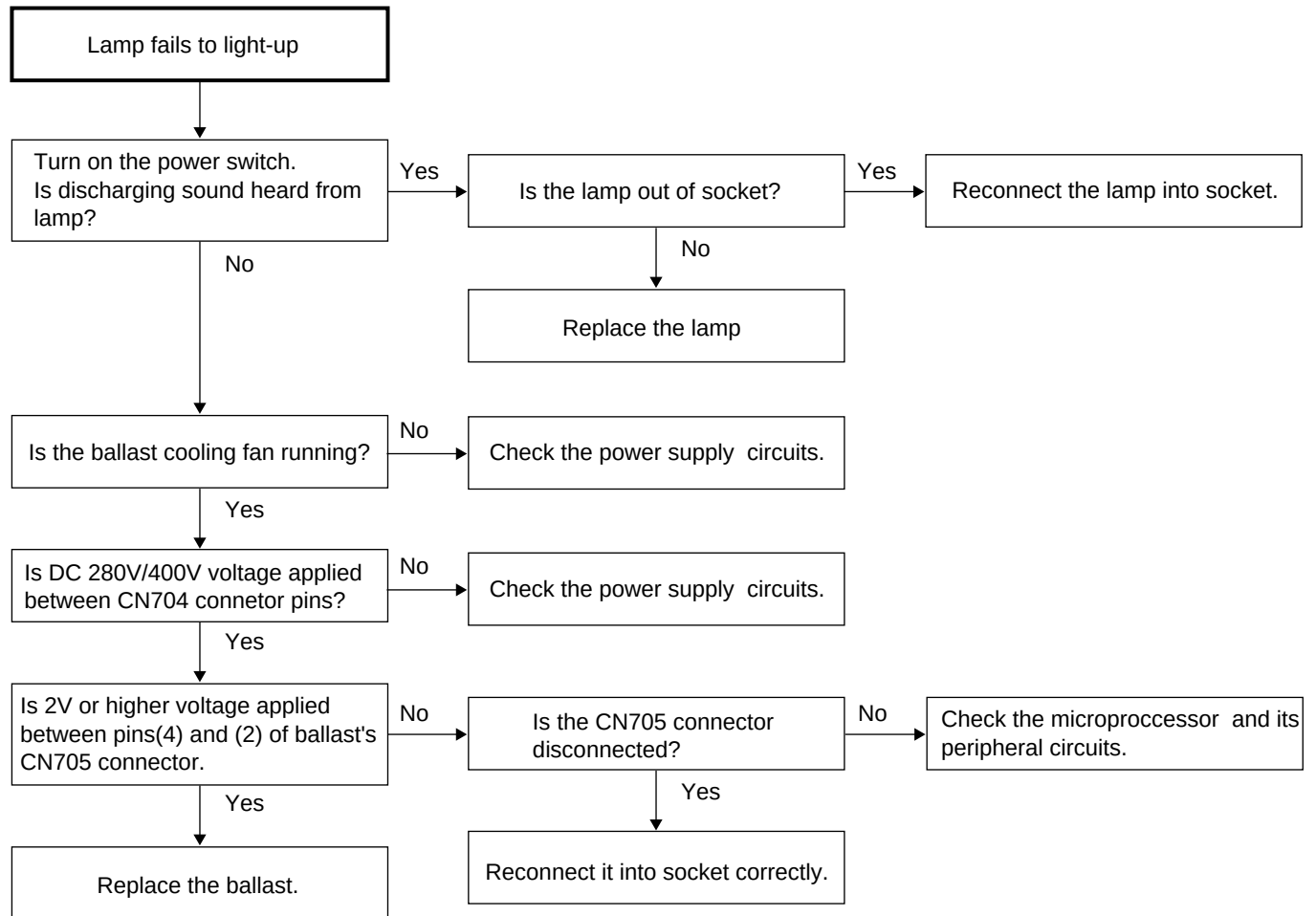
• Adjustment mode process menu

Group	Sub Group	Subject
Adjust PC Image	A/D	R-BRIGHT G-BRIGHT B-BRIGHT R-D B-D G-D AD-AUT
Adjust RGB Image	OUTPUT1	R1-BLK R1-GAIN G1-BLK G1-GAIN B1-BLK B1-GAIN S-R1-BLK S-R1-GAIN S-G1-BLK S-G1-GAIN S-B1-BLK S-B1-GAIN
Adjust Panel Drive	OUTPUT2	PSIG-H PSIG-L
Adjust Commn Voltage	OUTPUT3	RC GC BC GCK-PHASE
Adjust Video Image	VIDEO	PICTURE BRIGHT TINT N-COLOR P-COLOR S-COLOR AGC-CNT AGC-ADJ STAT-GAIN V-R1-BLK V-B1-BLK VIDEO-AUTO
Adjust Component Image	COMP	G-BRIGHT CB-OFFSET CR-OFFSET C-R1-BLK C-B1-BLK COMPO-AUTO

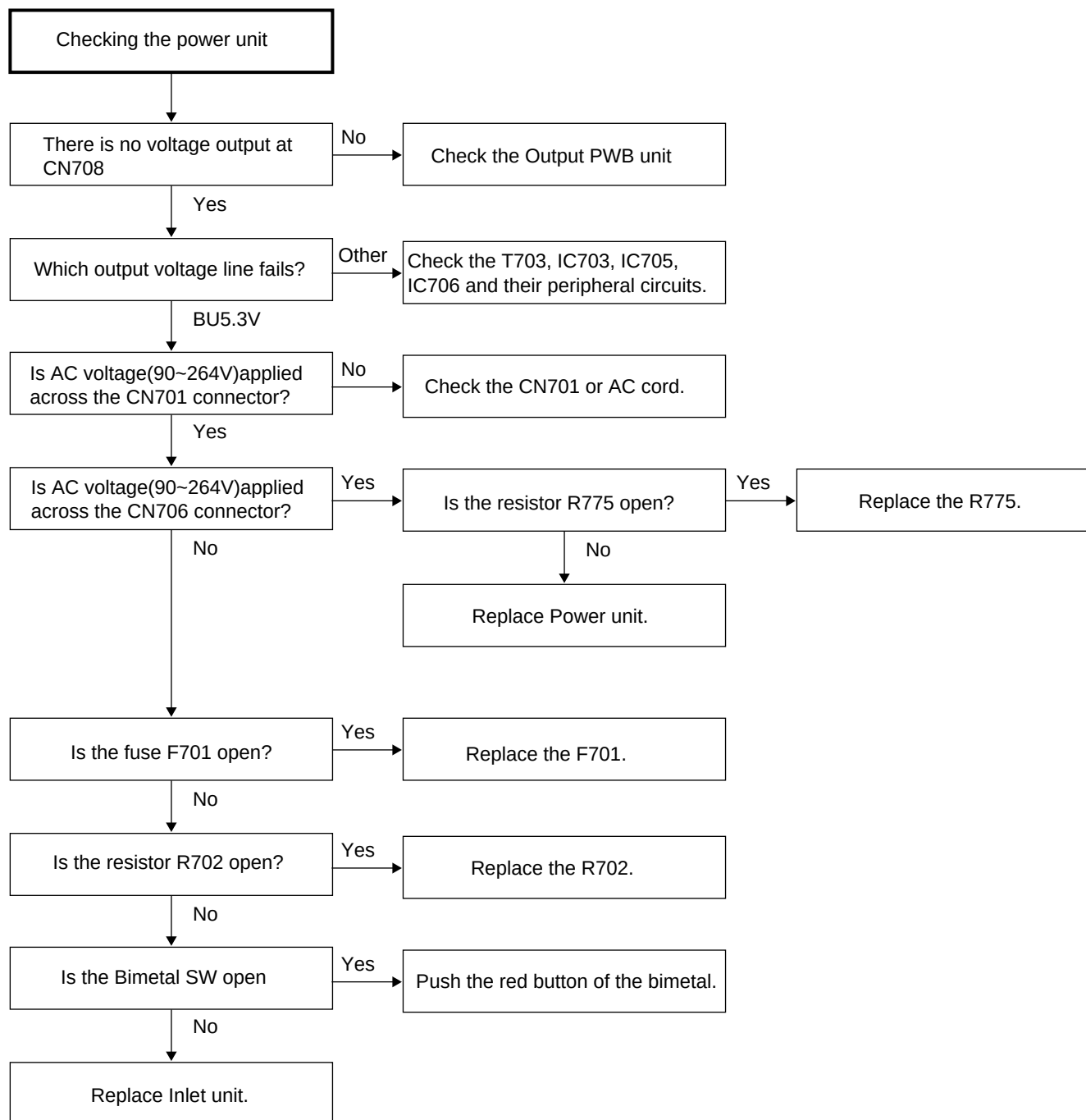
Group	Sub Group	Subject	
Process Mode	LINE	L1 L2 L4 OFF TEMP OFF SENSOR CHECK	
Initial Setting	SSS	TIME S1 S2 S3 S4 S5	
Sample Pattern	PATTERN	RGB RGB[50] CROSS FOCUS STEP COLOR CHR	
Adjust CVIC	CVIC	PROGRESSIVE	MODE IP MDSW PTGSW C-TESTSW C-ILG-LY C-MOD-LY C-VE-LV
		ENHANCE-VIDE	ENH-PLUS ENH-MINUS DFC
		ENHANCE-HDTV	ENH-PLUS ENH-MINUS DFC
		ENHANCE-RGB	MODE ENH-GAIN ENH-PLUS
		SCREEN	CUBIC-RGB CUBIC-VIDEO
		NR	YNR-LEVEL YNR-K YNR-FSEL CNR-LEVEL CNR-K CNR-FSEL CNR-FILSW
		PTG	TBL-NO TESTSW ENABLE MV-F VDDYP

Group	Sub Group	Subject	
Adjust CVIC		CMS-HUE	CMS-HUE-R CMS-HUE-Y CMS-HUE-G CMS-HUE-C CMS-HUE-B CMS-HUE-M
		CMS-SAT	CMS-SAT-R CMS-SAT-Y CMS-SAT-G CMS-SAT-C CMS-SAT-B CMS-SAT-M
		CMS-VAL	CMS-VAL-R CMS-VAL-Y CMS-VAL-G CMS-VAL-C CMS-VAL-B CMS-VAL-M DEGAMMA
Adust Digital Convergence	CONVER	CC R-CNV-H G-CNV-H B-CNV-H R-CNV-V G-CNV-V B-CNV-V	
Vesion Cehck etc	SPECIAL	IPL IPL2 E2PROM ADR RD/WR USB-MODE	

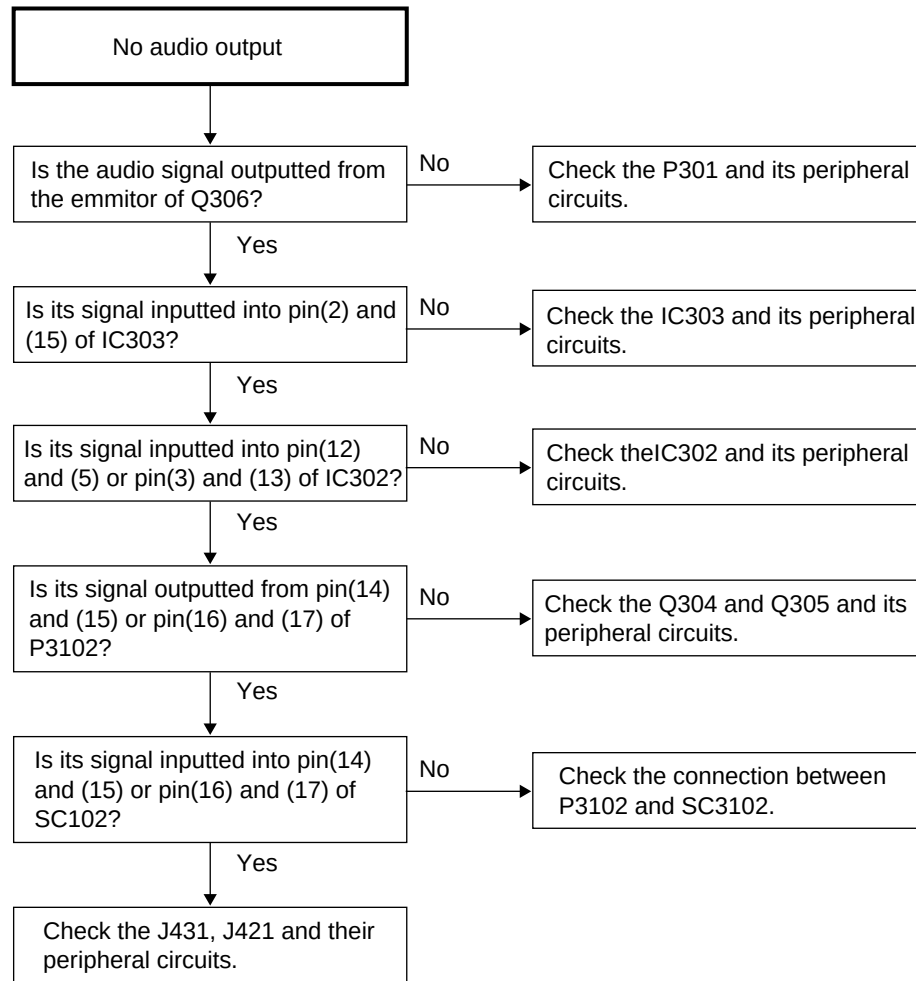
TROUBLE SHOOTING TABLE



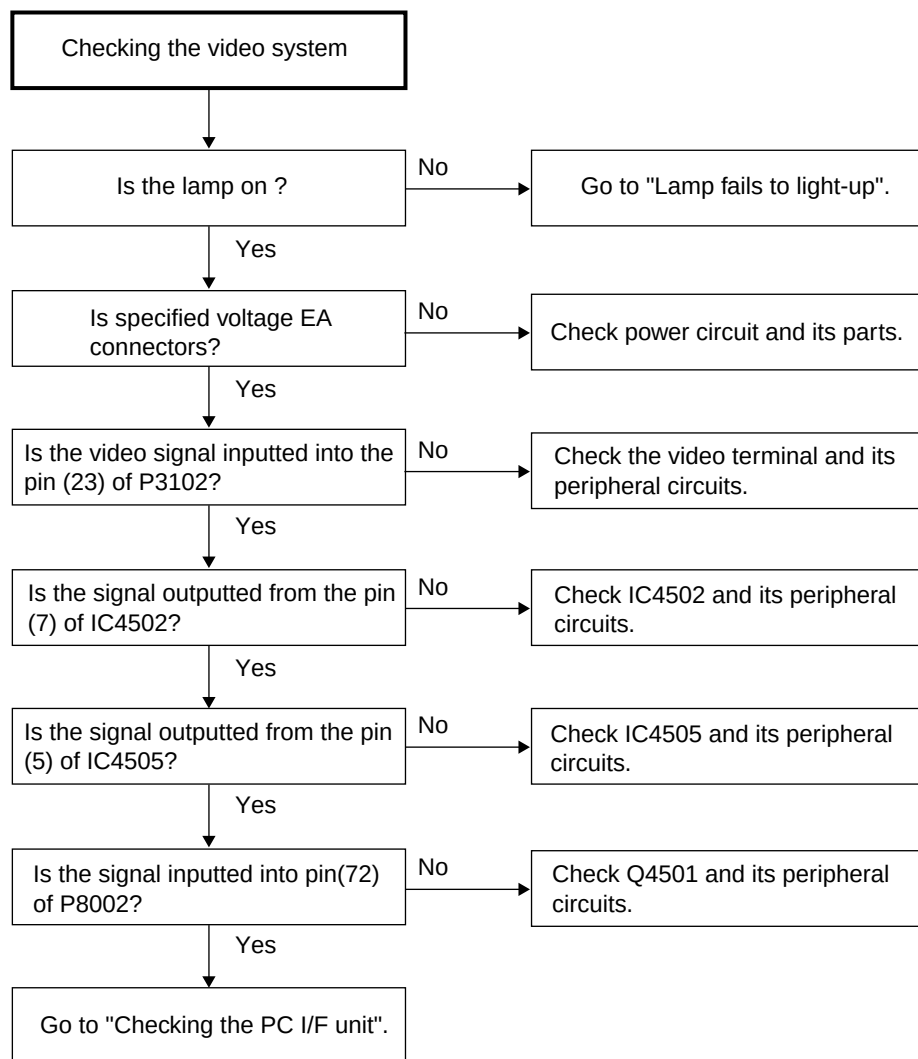
TROUBLE SHOOTING TABLE (Continued)



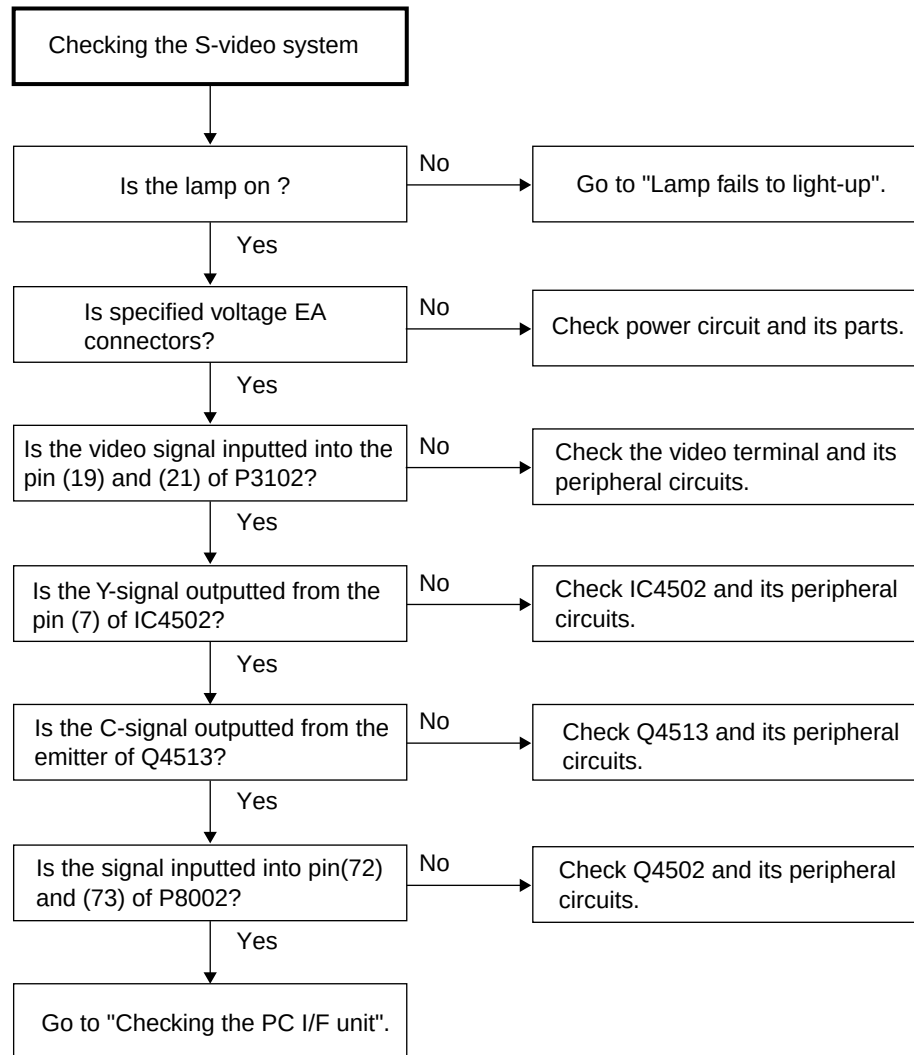
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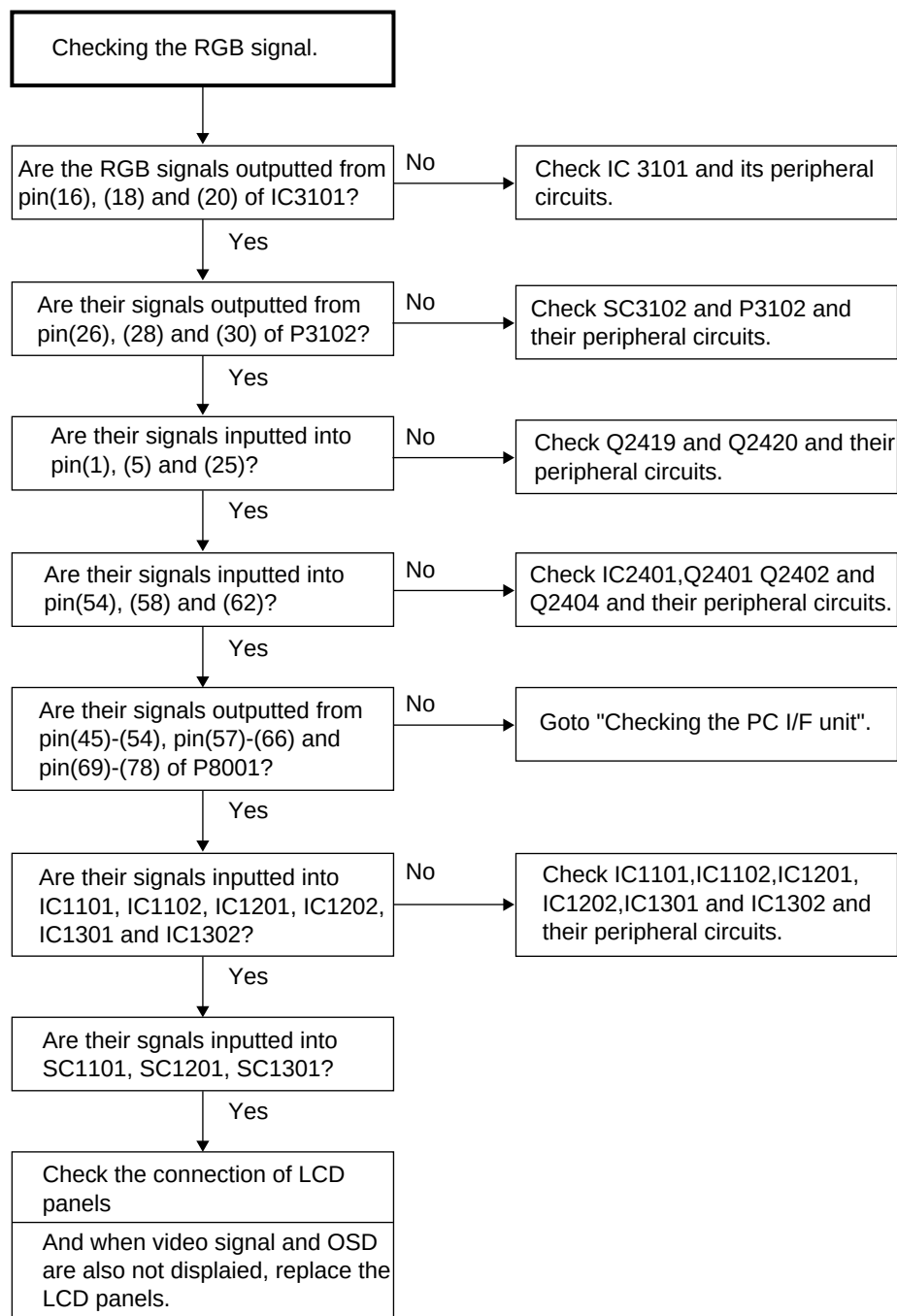
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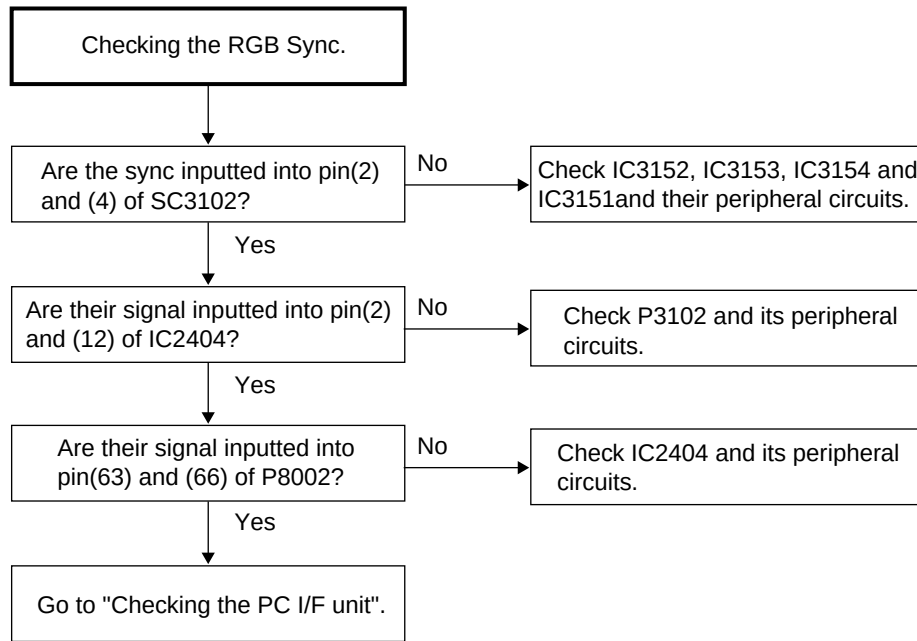
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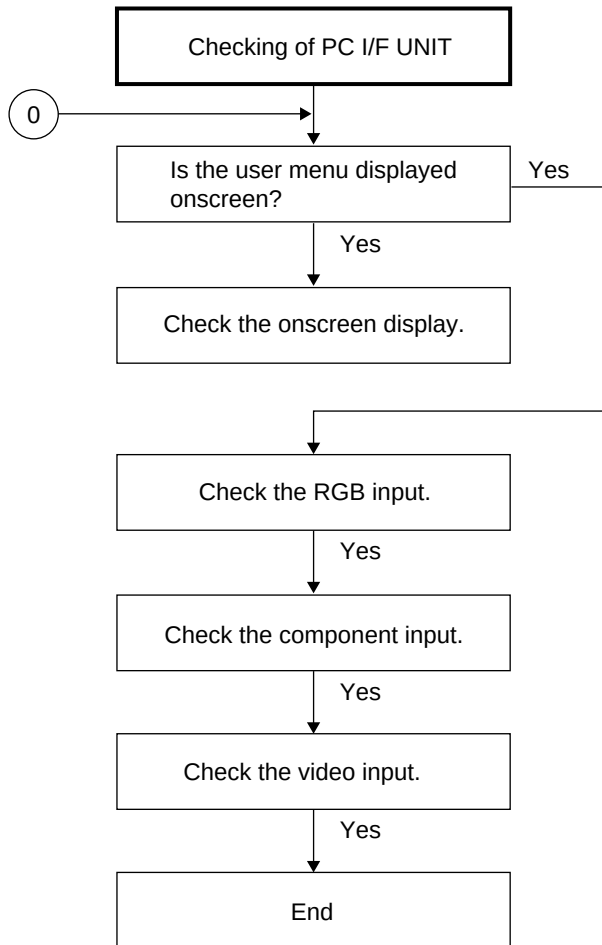
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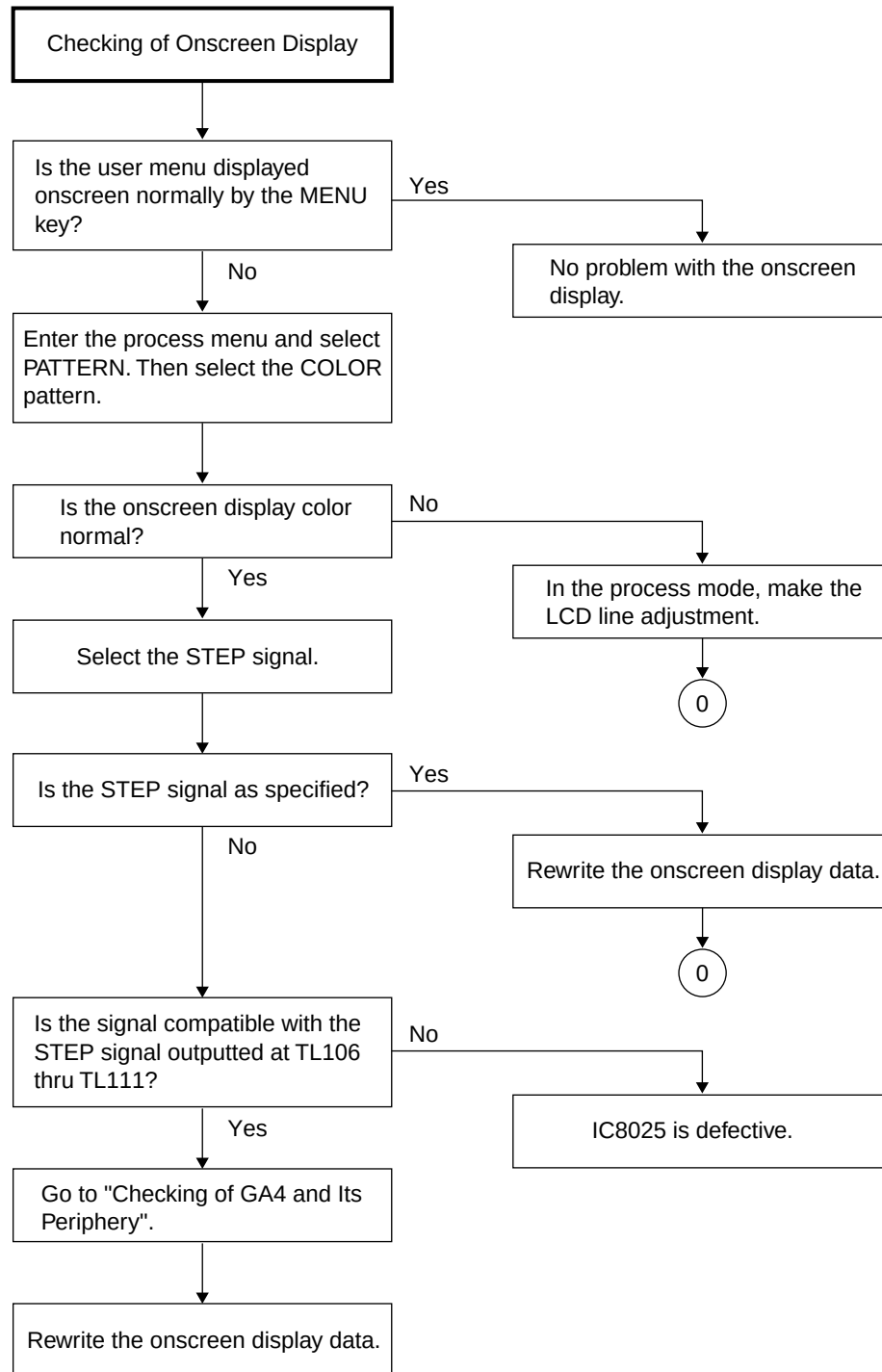
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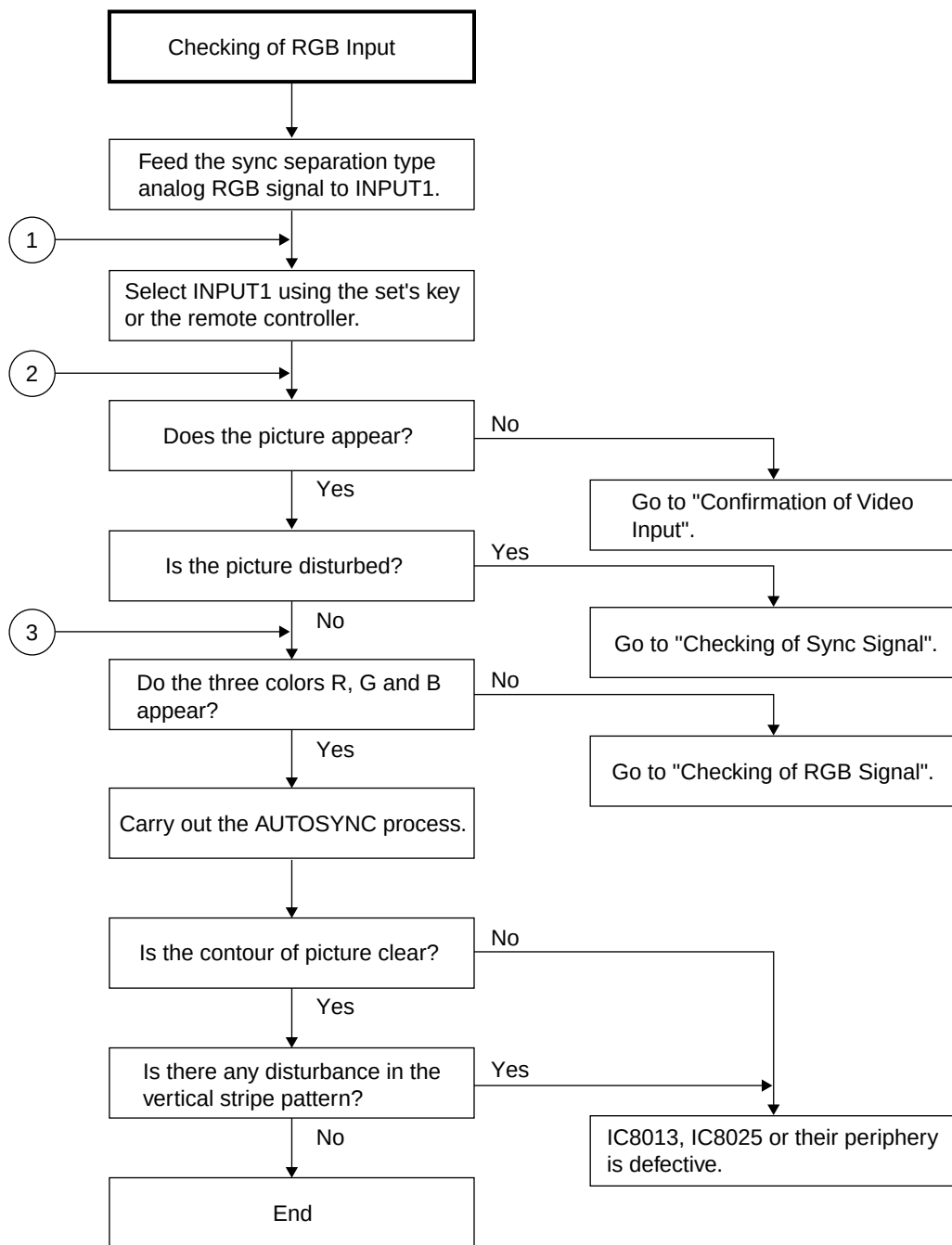
TROUBLE SHOOTING TABLE for PC I/F UNIT



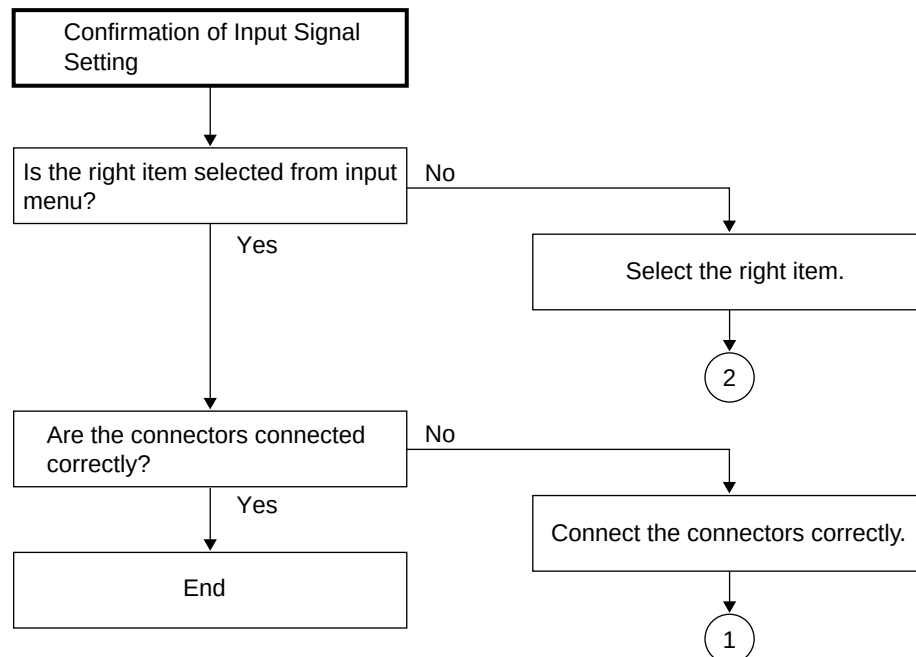
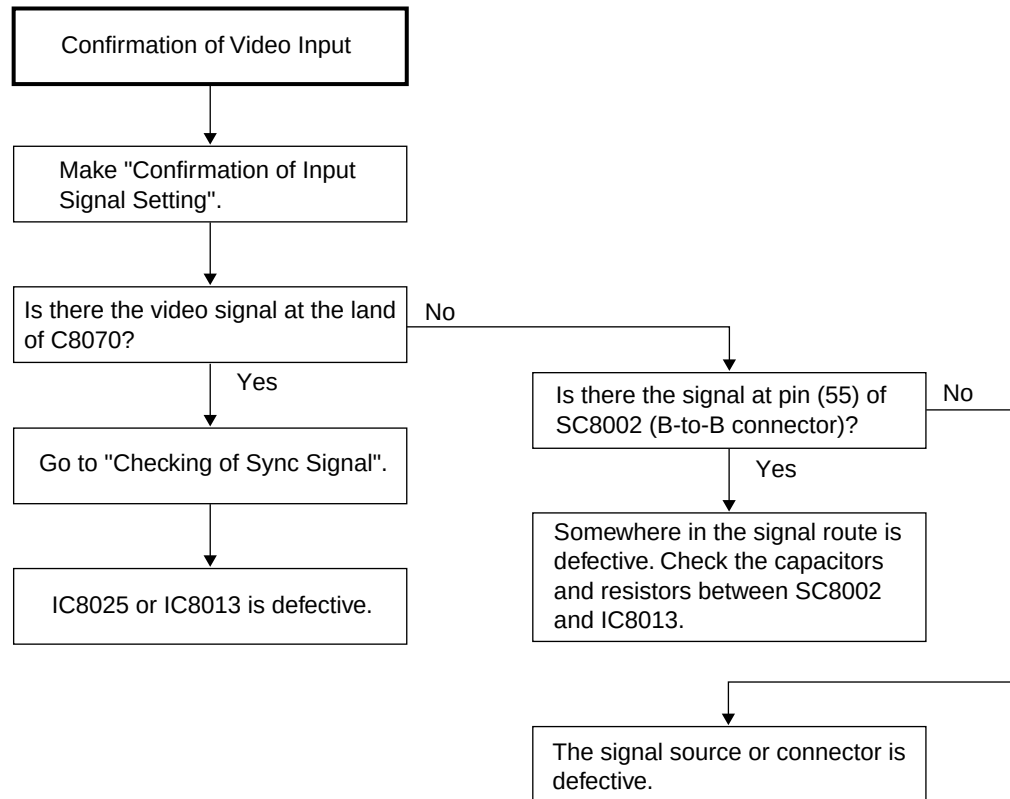
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



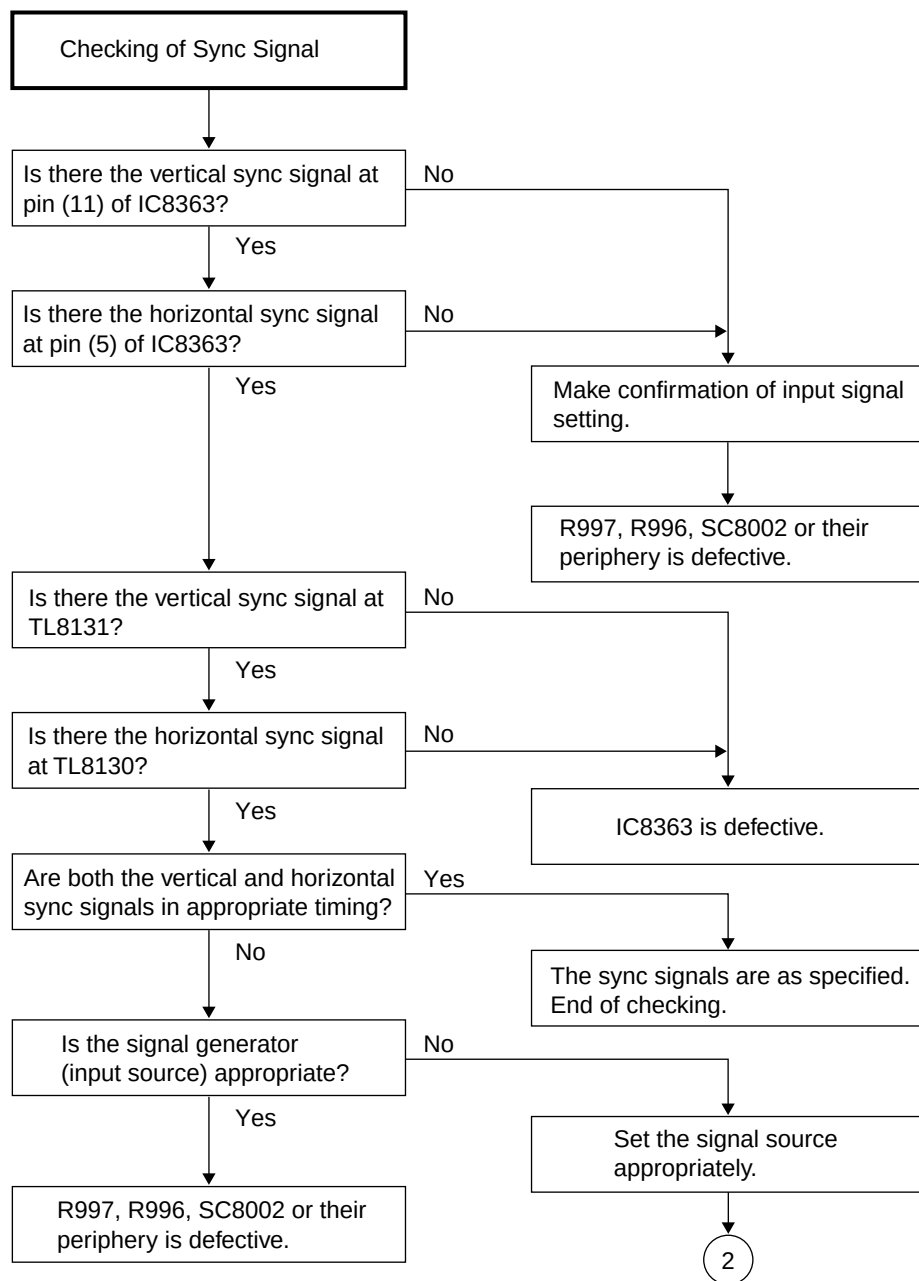
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



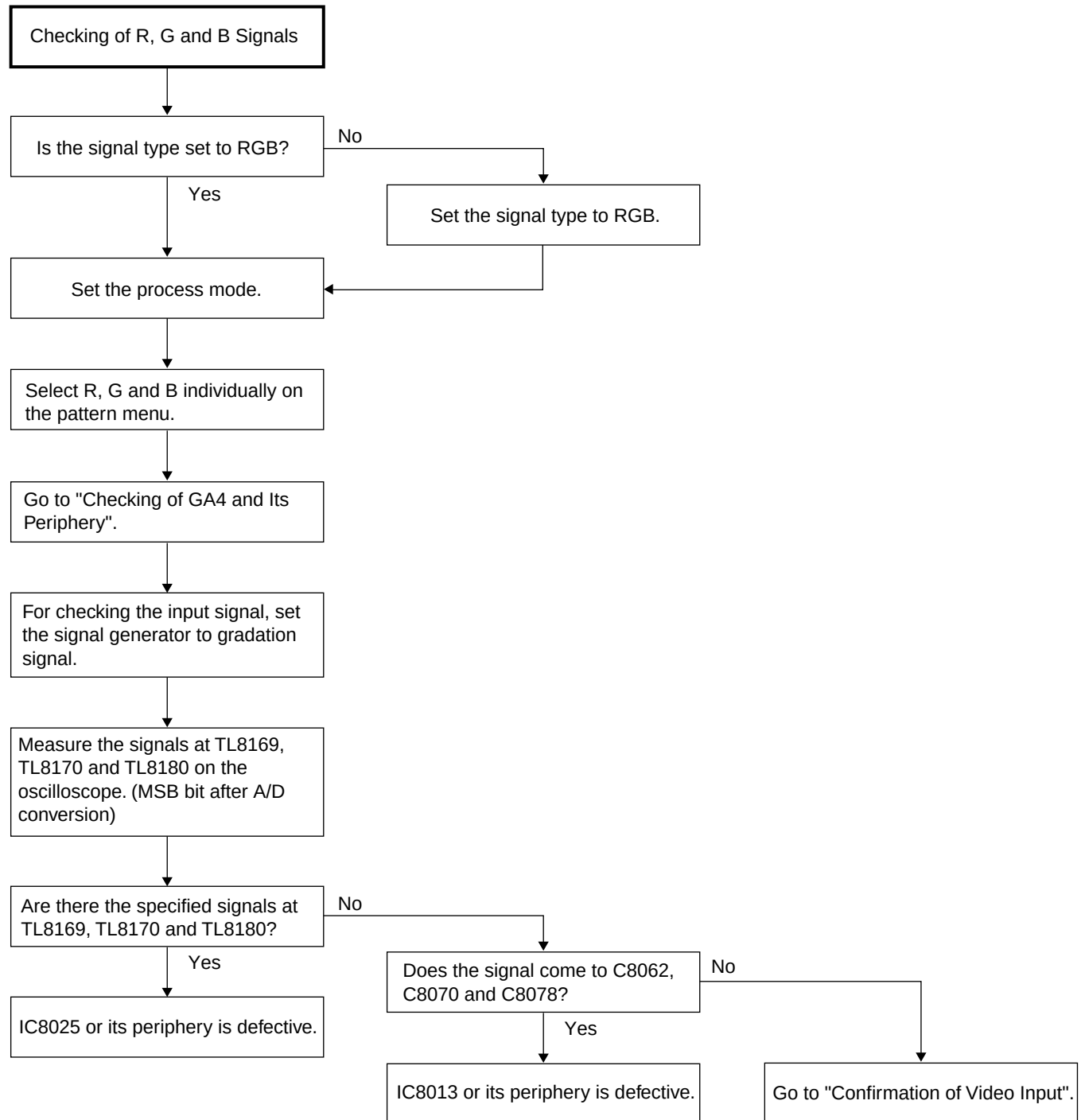
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



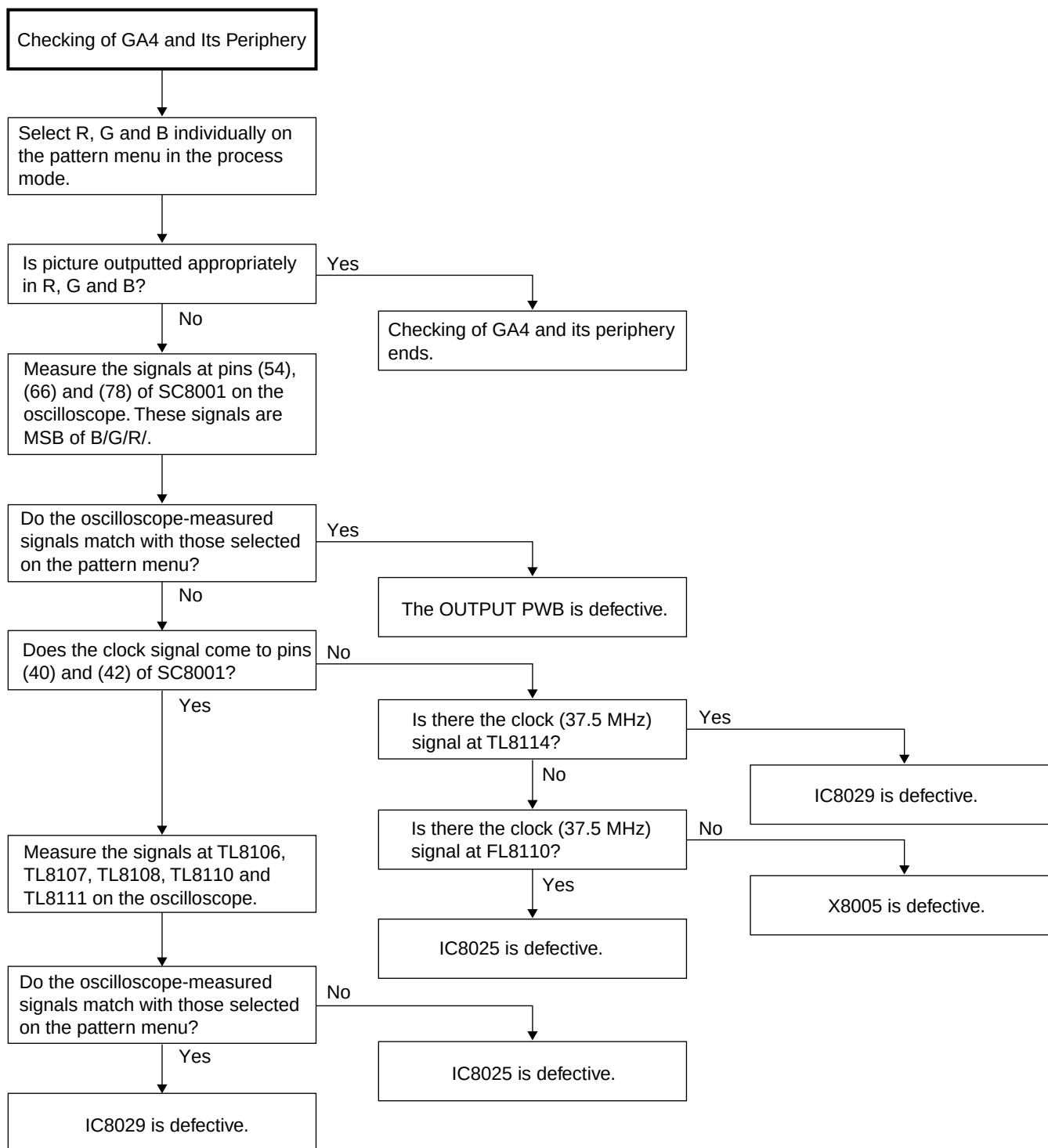
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



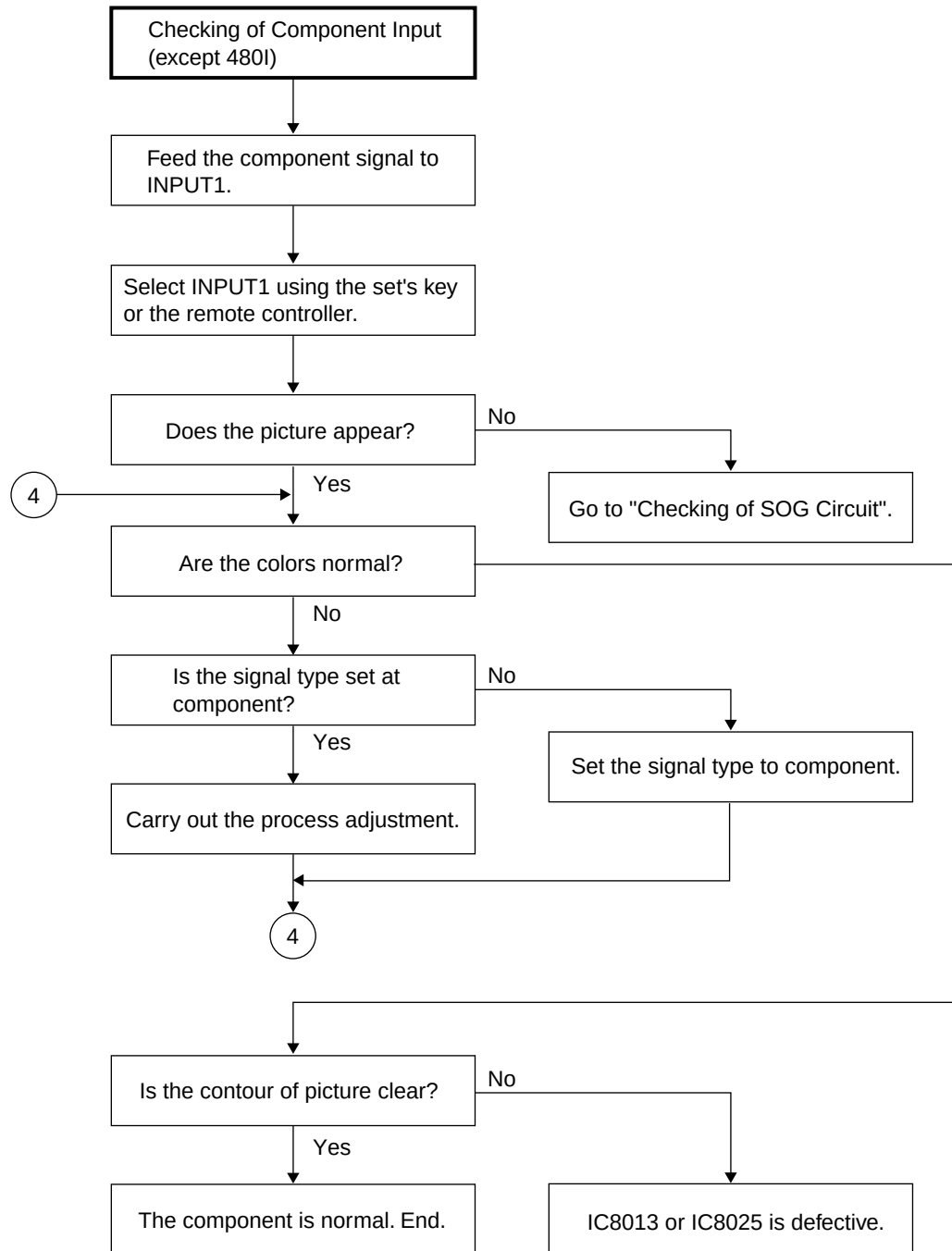
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



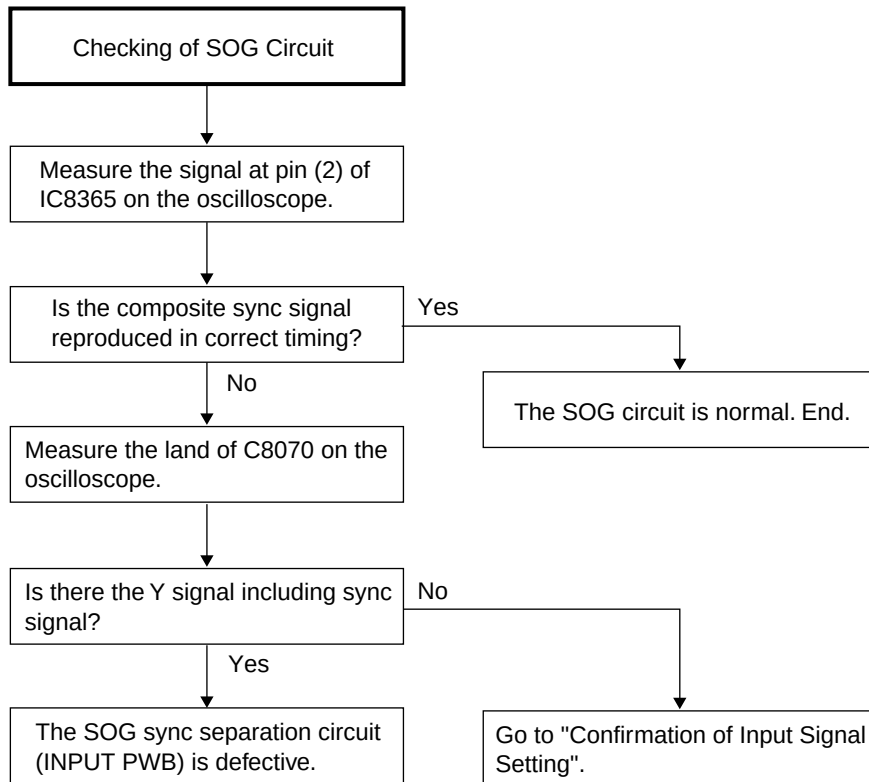
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



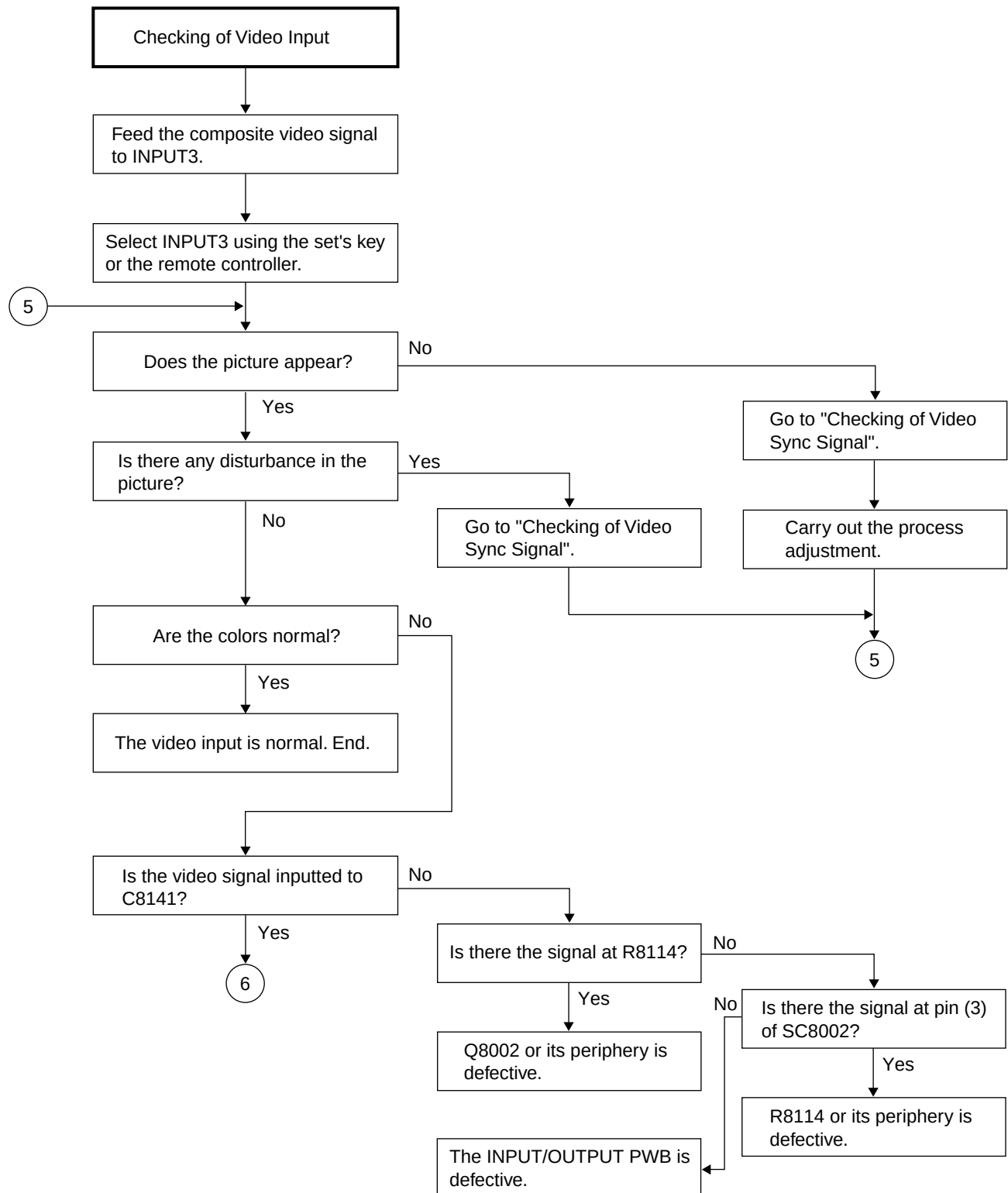
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



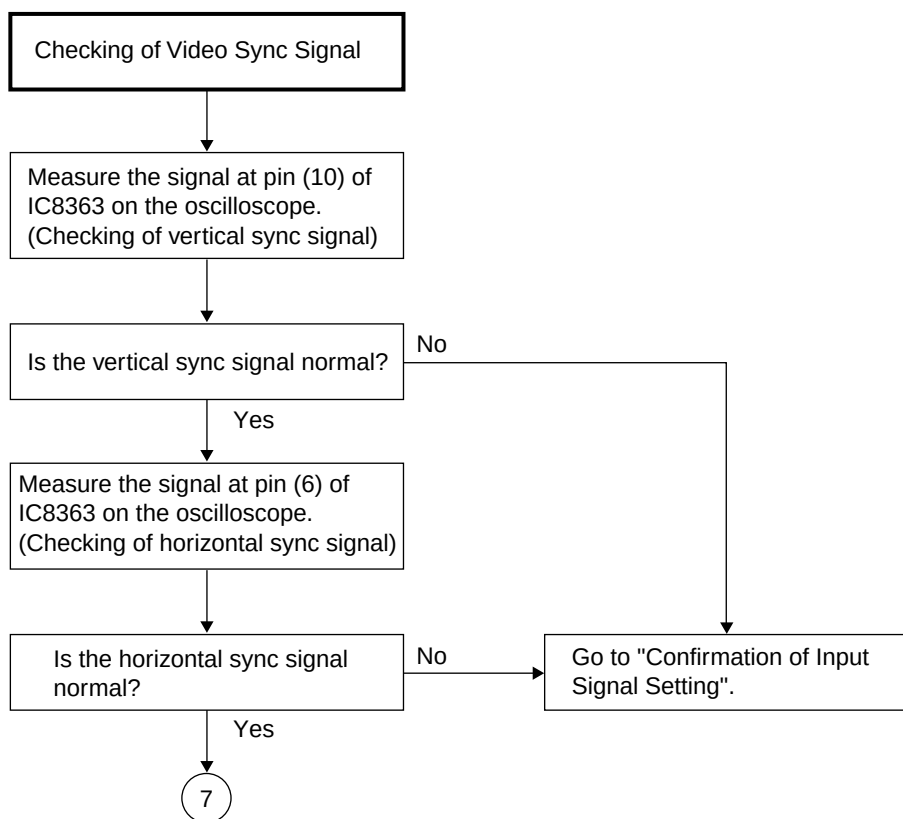
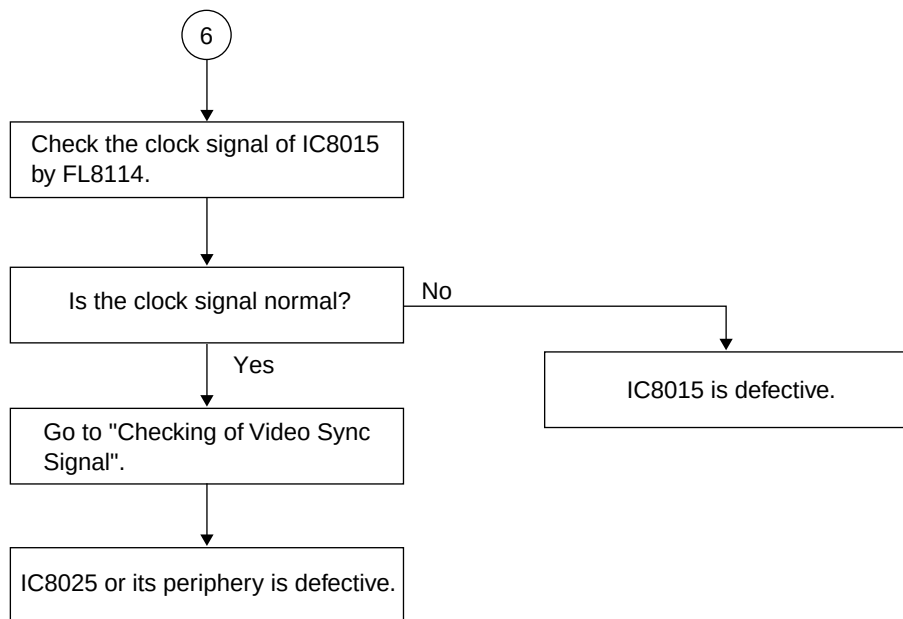
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



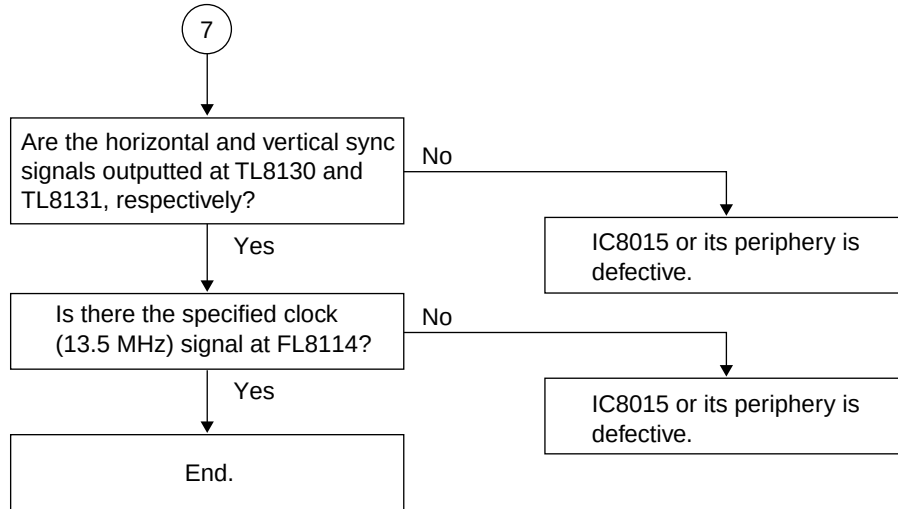
TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



TROUBLE SHOOTING TABLE for PC I/F UNIT (Continued)



Technische Daten

Produkttyp	LCD PROJEKTOR
Modell	XG-C50X
Videosystem	NTSC 3.58/NTSC 4.43/PAL/PAL-M/PAL-N/PAL 60/SECAM/DTV480I/DTV480P/DTV540P/DTV580I/DTV580P/DTV720P/DTV1035I/DTV1080I
Wiedergabeverfahren	LCD-Panel x 3, optische RGB-Verschlussmethode
LCD-Panel	Panel-Größe: 0,99tum(25,1 mm)(15[H] x 20[B] mm) Anzahl der Bildpunkte: 786.432 Bildpunkte (1.024 [H] x 768 [V])
Standard-Objektiv	1–1,27 x Zoom-Objektiv, F1,7–2,2, f = 36,5–46,3 mm
Projektionslampe	Wechselstromlampe 250 W
Komponenten-Eingangssignale (INPUT 1/2)	15-poliger Mini-D-Sub-Anschluss Y: 1,0 Vs-s, negatives Sync., 75 Ω terminiert P _B : 0,7 Vs-s, 75 Ω terminiert P _R : 0,7 Vs-s, 75 Ω terminiert
Horizontale Auflösung	750 Fernsehzeilen (DTV720P)
Computer-RGB-Eingangssignal (INPUT 1/2)	15-poliger Mini-D-Sub-Anschluss RGB getrennt/Sync auf Grün-Typ analoger Eingang: 0-0,7 Vs-s, positiv, 75 Ω terminiert HORIZONTALES SYNC.-SIGNAL: TTL-Pegel (positiv/negativ) VERTIKALES SYNC.-SIGNAL: Wie oben
Videoeingangssignal (INPUT 3)	RCA-Anschluss: VIDEO, gemischtes Video, 1,0 Vs-s, negatives Sync., 75 Ω terminiert
S-Videoeingangssignal (INPUT 4)	4-pol. Mini DIN-Anschluss Y (Luminanzsignal): 1,0 Vs-s, negatives Sync., 75 Ω terminiert C (Chrominanzsignal): Stoß 0,286 Vs-s, 75 Ω terminiert
Computer-Steuerungssignal (RS-232C)	9-Pin Mini-DIN-Stecker
Pixeltakt	12-230 MHz
Vertikale Frequenz	43-200 Hz*
Horizontale Frequenz	15-126 kHz
Audioeingangssignal	Ø 3,5 mm Minibuchse: AUDIO, 0,5 Vrms, mehr als 47 k Ω (Stereo)
Audioausgang	3,0 W (Mono)
Lautsprechersystem	4 cm x 7 cm
Nennspannung	100-240 V Wechselstromspannung
Eingangsspannung	3,4 A
Nennfrequenz	50/60 Hz
Leistungsaufnahme (normal)	340 W (Standard-Modus)/290 W (Modus mit niedrigem Stromverbrauch)
Leistungsaufnahme (Bereitschaft)	Ca. 0,8 W (wenn "Monitor/RS232" auf "OFF" gestellt ist)
Wärmeableitung	1.280kWh
Betriebstemperatur	41°F bis 104°F (+5°C bis +40°C)
Lagertemperatur	– 4°F bis 140°F (–20°C bis +60°C)
Gehäuse	Plastik
I/R-Trägerfrequenz	38 kHz
Abmessungen (ca.)	15 3/8" x 3 7/8" x 11 5/8" (390 (B) x 99,0 (H) x 294 (T) mm) (nur Hauptgerät) 15 1/2" x 4 7/16" x 11 5/8" (393 (B) x 114,0 (H) x 303,2 (T) mm) (einschließlich Drehfüße und Projektionsteile)
Gewicht (ca.)	11,3 lbs. (5,1 kg)
Mitgeliefertes Zubehör	Fernbedienung, zwei R6-Batterien, Netzkabel für USA, Kanada usw. (11'10", 3,6 m), Netzkabel für Europa, ausgenommen Großbritannien (6', 1,8 m), Netzkabel für Großbritannien, Hongkong und Singapur (6', 1,8 m), Netzkabel für Australien, Neuseeland und Ozeanien (6', 1,8 m), RGB-Kabel (9' 10", 3m), USB-Kabel (9' 10", 3m), Audio-Computerkabel (9' 10", 3m), DIN-D-Sub RS-232C-Adapter (6 45/64", 15 cm), zusätzlicher Luftfilter, Objektivkappe (befestigt), Projektorhandbuch-und technische Referenz-CD-ROM, Sharp Advanced Presentation Software CD-ROM, Bedienungsanleitung,Kurzanleitungskennung
Ersatzteile	Lampeneinheit (Lampen-/Gehäusemodul) (BQC-XGC50X/1), Fernbedienung (RRMCGA029WJSA), zwei R 6-Batterien ("AA", UM/SUM-3, HP-7 oder ähnlich), Netzkabel für USA, Kanada usw. (QACCDAA010WJPZ), Netzkabel für Europa, ausgenommen Großbritannien (QACCV4002CEZZ), Netzkabel für Großbritannien, Hongkong und Singapur (QACCBAA012WJPZ), Netzkabel für Australien, Neuseeland und Ozeanien (QACCL3022CEZZ),RGB-Kable (QCNWGA012WJPZ), USB-Kable (QCNWGA014WJPZ), Audio-Computerkabel (QCNWGA013WJPZ), DIN-D-Sub RS-232C-Adapter (QCNWGA015WJPZ), Luftfilter (PFILDA005WJZZ), Objektivkappe (PCAPHA003WJSA), Projektorhandbuch-und- technische Referenz-CD-ROM (UDSKAA007WJZZ), Sharp Advanced Presentation Software CD-ROM (UDSKAA005WJN1), Bedienungsanleitung (TINS-A163WJZZ), Kurzanleitungskennung.

*Bei vertikalen Frequenzen über 100 Hz kann eine zeitweise Störung sichtbar werden, wenn die OSD-Funktionen eingeschaltet sind.

Dieser SHARP Projektor verwendet eine LCD (Liquid Crystal Display)-Anzeige.Diese hochmoderne Anzeige enthält 786.432 Pixel (xRGB) TFTs (Thin Film Transistors). Bei allen technologisch fortschrittlichen, elektronischen Geräten, z. B. Großbild-Fernsehern, Videosystemen bzw. Videokameras, sind bestimmte Toleranzgrenzen für die Funktionen gegeben.

Dieses Gerät hat einige inaktive, innerhalb akzeptierter Toleranzgrenzen liegende Bildpunkte, die als leuchtende oder als nicht aktive Punkte auf der Bildwand wiedergegeben werden. Dies hat keinen Einfluss auf die Bildqualität oder die Lebensdauer des Gerätes.

Änderungen der technischen Daten ohne vorherige Ankündigung vorbehalten.

HINWEIS FÜR DAS WARTUNGSPERSONAL

ACHTUNG: UV-STRAHLUNG

Die Lichtquelle im Projektor, eine Metall-Halogen-Lampe, gibt eine geringe UV-Strahlung ab.

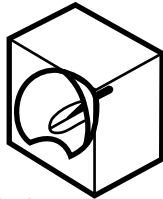
DIREKTE BESTRAHLUNG AUF AUGEN UND HAUT MUSS VERMIEDEN WERDEN.

Zur Gewährleistung der Sicherheit muß folgendes beachtet werden:

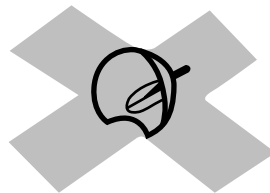
1. Bei Arbeiten am Projektor bei eingeschalteter Lampe und abgenommenem oberen Gehäuse muß unbedingt eine Sonnenbrille getragen werden.



2. Die Lampe darf nicht außerhalb des Lampengehäuses eingeschaltet werden.



3. Betrieb für länger als 2 Stunden bei abgenommenem Gehäuse ist nicht zulässig.



Zur Beachtung bei UV-Strahlung und Mitteldruck-Lampen

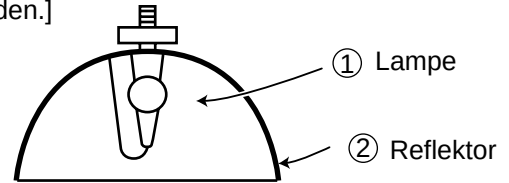
1. Vor dem Auswechseln der Lampe muß der Netzstecker gezogen werden.
2. Vor Durchführung von Wartungsarbeiten muß das Gerät eine Stunde abkühlen.
3. Nur mit dem gleichen Lampentyp ersetzen Typ BQC-XGC50X//1; Nennleistung 85 V/250 W.
4. Die Lampe gibt eine geringe UV-Strahlung ab, daher muß direkter Augenkontakt vermieden werden.
5. Die Mitteldruck-Lampe weist ein Explosionsrisiko auf. Daher müssen die nachstehenden Installationsanweisungen beachtet werden, und die Lampe muß vorsichtig behandelt werden.

■ Auswechseln der Lampe

Hinweis:

Da die Lampe während des Betriebs sehr heiß wird, sollte die Lampe erst ausgewechselt werden, nachdem das Gerät mindestens eine Stunde ausgeschaltet war, damit die Lampe ausreichend abkühlen kann. Beim Installieren der neuen Lampe muß darauf geachtet werden, die Lampe selbst (Glaskolben) nicht zu berühren. Vielmehr muß die Lampe am Reflektor ② gehalten werden.

[Es darf nur ein Original-Ersatzteil verwendet werden.]



GEFAHR! — Niemals die Spannungsversorgung einschalten, ohne daß eine Lampe vorhanden ist, um elektrische Schläge und Schäden am Gerät zu vermeiden, da der Stabilisator anfangs hohe Spannungen erzeugt.

Da eine geringe UV-Strahlung aus einer Öffnung zwischen der Schachtabdeckung und dem Lampengehäuse austritt, sollte der Objektivdeckel bei Wartungsarbeiten auf die Öffnung gesetzt werden, um die Bestrahlung von Augen und Haut zu vermeiden.

Vorsichtsmaßnahmen für bleifreies Lötzin

1 Verwendung von bleifreiem Lötzin

Die "Eingangs-, Ausgangs-, Fernbedienungs-, Schlüssell-, Fächer-Platine" dieses Modells verwendet bleifreies Lötzin. Das LF-Symbol zeigt bleifreies Lötzin an und ist an den Platinen und Wartungsanleitungen angebracht. Der Buchstabe nach LF zeigt den Typ des bleifreien Lötzinns an.

Beispiel:

LF a

Sn-Ag-Cu

Zeigt bleifreies Lötzin aus Zinn, Silber und Kupfer an.

2 Bei Reparatur der mit bleifreiem Lötzin gelöteten Platine immer bleifreies Lötzin verwenden. Reparatur mit herkömmlichem Lötzin kann zu Schäden oder Unfällen aufgrund von Rissen führen.

Da der Schmelzpunkt bleifreien Lötzinns (Sn-Ag-Cu) um 40°C höher als der von Bleidraht-Lötzin ist, empfehlen wir die Verwendung einer speziellen Lötspitze. Wenn Fragen über den Beschaffung bleifreien Lötzinns oder spezieller Lötspitzen bestehen, wenden Sie sich an unsere Kundendienstvertretung in Ihrem Gebiet.

3 Löten

Da der Schmelzpunkt bleifreien Lötzinns (Sn-Ag-Cu) etwa 220°C beträgt, was um 40°C höher als der von bleihaltigem Lötzin ist, und außerdem schlechte Löt-Benetzbarkeit aufweist, kann es erforderlich werden, die Lötspitze längere Zeit in Kontakt mit der Platine zu halten. Da die Lötlauge abfließen kann oder der maximale Hitzewiderstand von Teilen überschritten werden kann, die Lötspitze sofort von der Platine nehmen, sobald eine gute Lötung erzielt ist. Bleifreies Lötzin enthält mehr Zinn, und das Ende der Lötspitze kann leicht angegriffen werden. Immer sicherstellen, dass der LötKolben nur bei Bedarf eingeschaltet wird.

Wenn ein anderer Typ von Lötzin an der Lötspitze haften bleibt, verschmilzt er mit dem bleifreien Lötzin. Die Lötspitze nach jeder Verwendung reinigen.

Wenn die Lötspitze bei der Verwendung geschwärzt wird, die Spitze mit Stahlwolle oder feinem Sandpapier abschmirgeln.

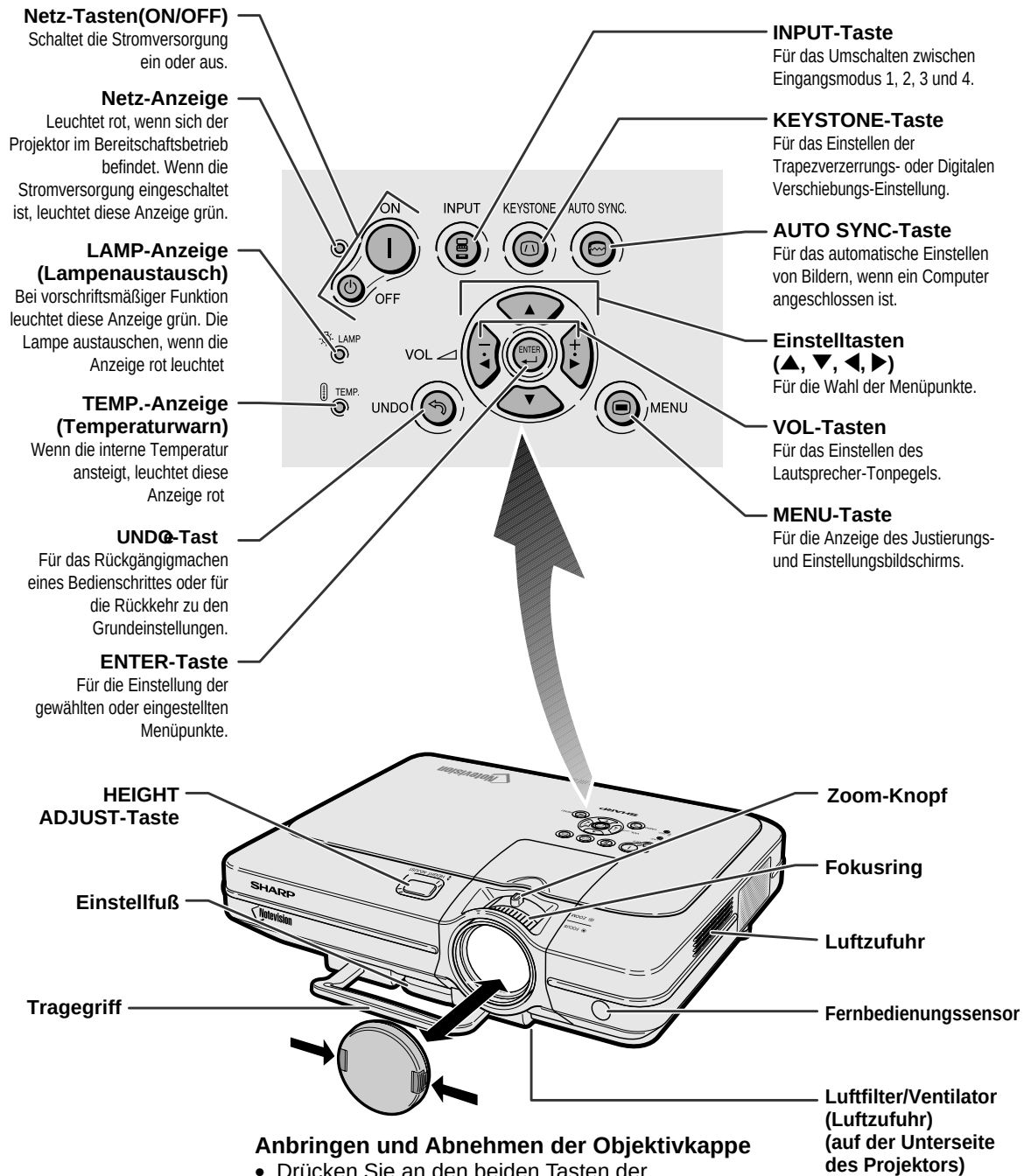
Immer beim Austausch von Teilen vorsichtig sein, und die Polaritätsanzeige auf der Platinenbeschriftung beachten.

Bleifreies Lötzin zur Wartung

Teile-Nr.	★	Beschreibung	Code
ZHNDai123250E	J	φ0.3mm 250g(1roll)	BL
ZHNDai126500E	J	φ0.6mm 500g(1roll)	BK
ZHNDai12801KE	J	φ1.0mm 1 Rolle	BM

Bedienelemente

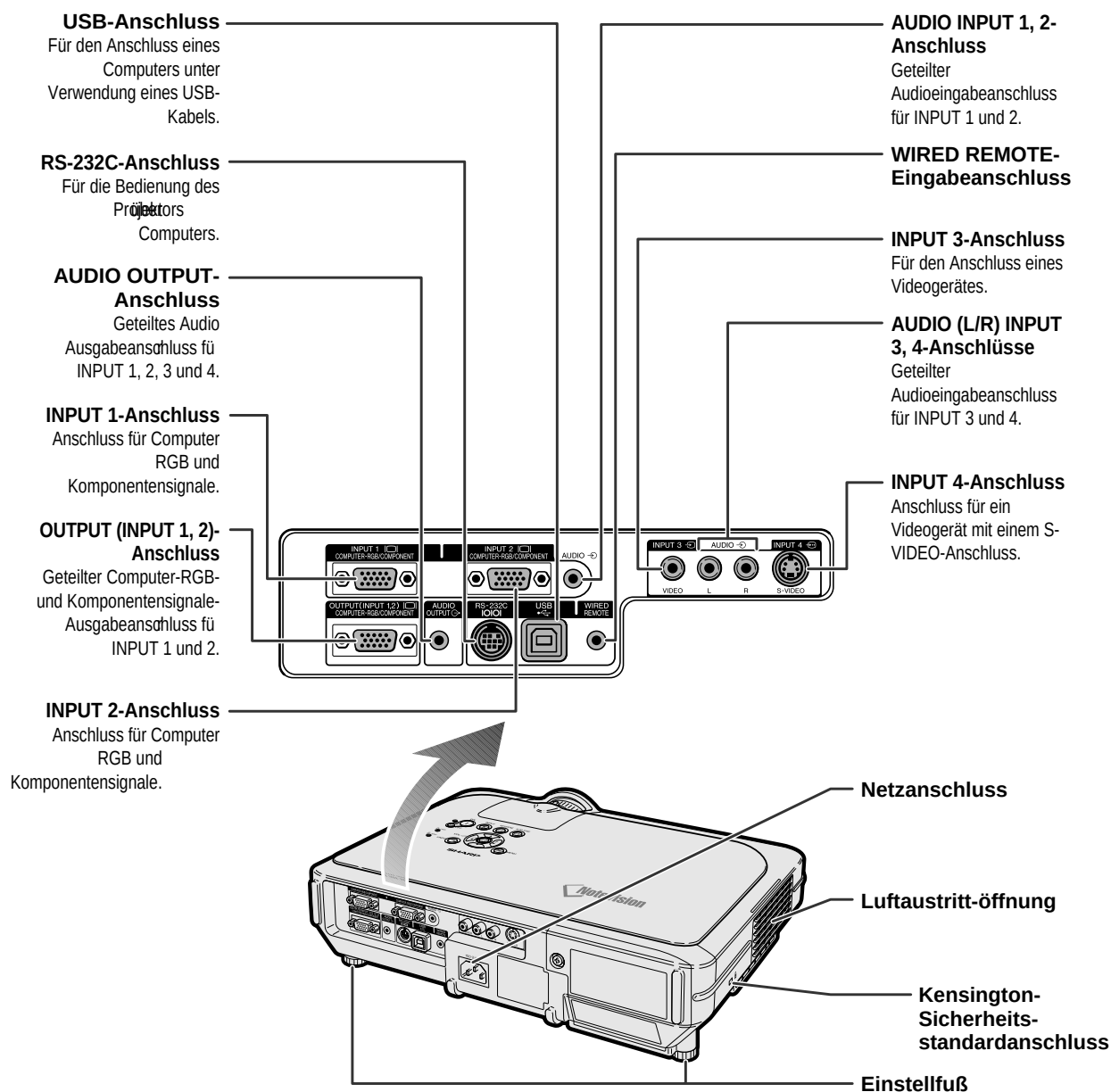
Projektor (Vorder- und Draufsicht)



Anbringen und Abnehmen der Objektivkappe

- Drücken Sie an den beiden Tasten der Objektivkappe, und bringen Sie diese an dem Objektiv an. Danach geben Sie die Tasten frei, um die Objektivkappe zu verriegeln.
- Drücken Sie die beiden Tasten der Objektivkappe, und nehmen Sie die Objektivkappe von dem Objektiv ab.

Projektor (Hintersicht)

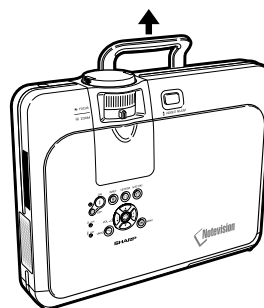


Verwendung der Kensington-Sperre

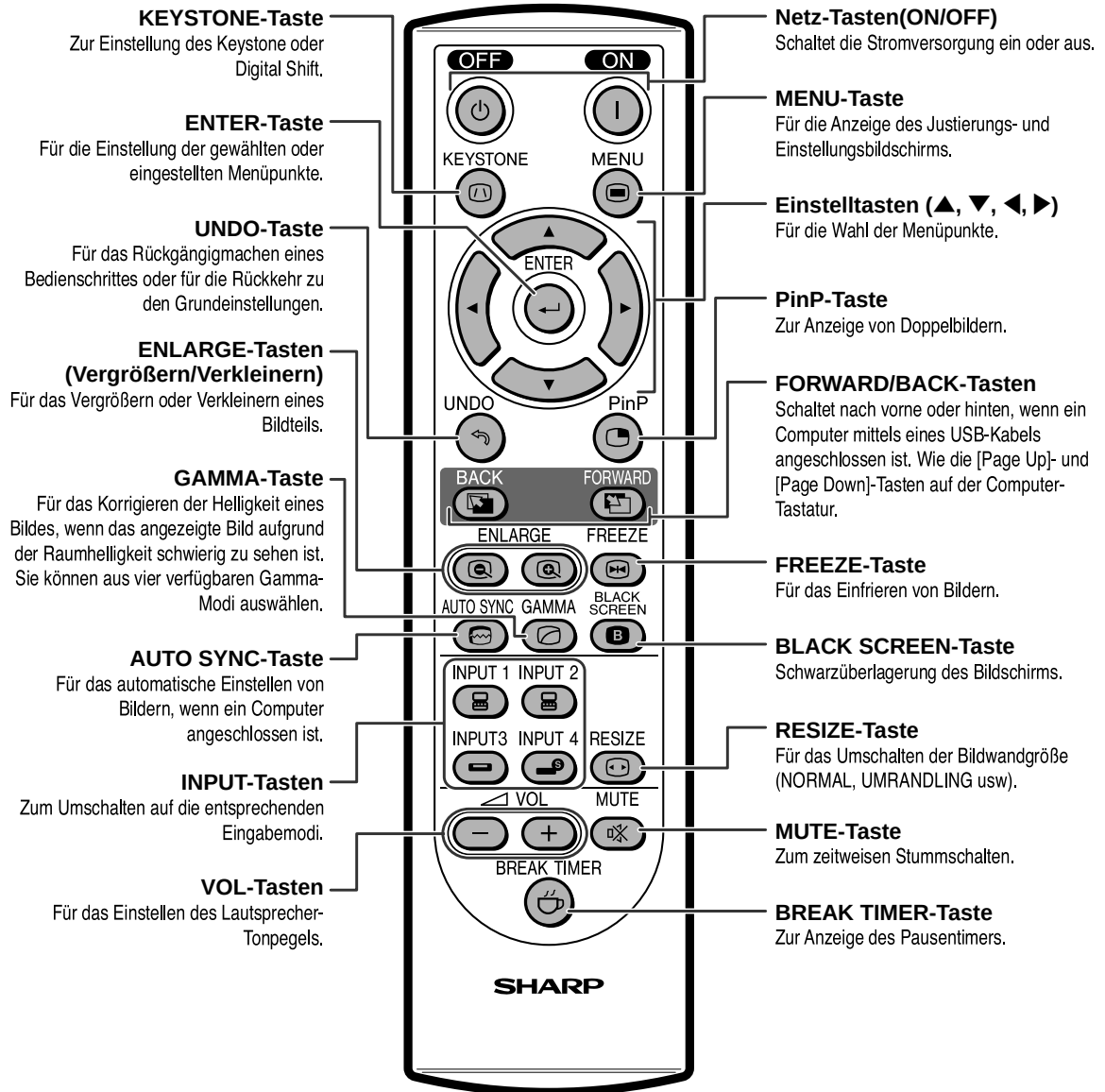
- Dieser Projektor ist mit einem Kensington-Sicherheitsstandardanschluss für die Verwendung des Kensington MicroSaver-Sicherheitsystems ausgestattet. Lesen Sie hinsichtlich der Verwendung die Informationen, die dem System beiliegen, um den Projektor zu sichern.

Transportieren des Projektors

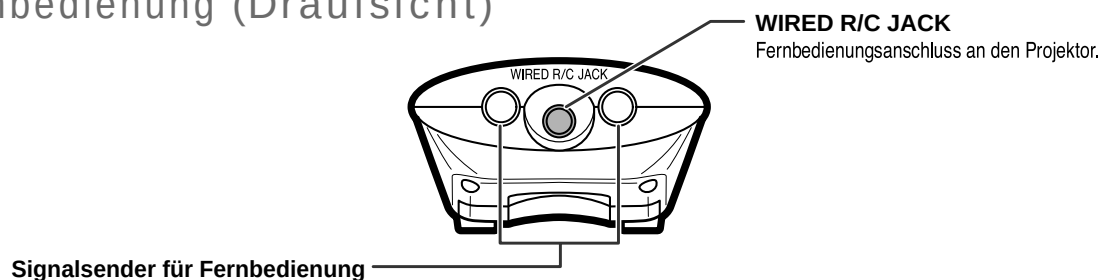
Bevor Sie den Projektor transportieren, muss der Tragegriff vollkommen ausgeklappt werden.



Fernbedienung (Vordersicht)

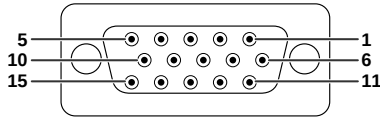


Fernbedienung (Draufsicht)



Pin-Belegung

INPUT-1/2-RGB und OUTPUT-Signalanschluss: 15-Pin Mini-D-Sub weiblich



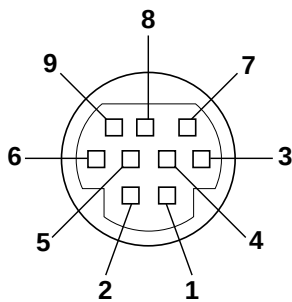
RGB-Eingabe

1. Videoeingabe (rot)
2. Videoausgabe (grün/sync auf grün)
3. Videoausgabe (blau)
4. Reserveeingabe 1
5. Composite-Sync
6. Erde (rot)
7. Erde (grün/sync auf grün)
8. Erde (blau)
9. nicht angeschlossen
10. GND
11. GND
12. Bi-directionale Daten
13. Horizontal-Sync-Signal
14. Vertikal-Sync-Signal
15. Datenuhr

Komponenteneingabe

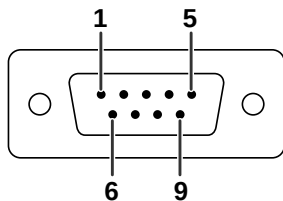
1. P_R (C_R)
2. Y
3. P_B (C_B)
4. Nicht angeschlossen
5. Nicht angeschlossen
6. Erde (P_R)
7. Erde (Y)
8. Erde (P_B)
9. Nicht angeschlossen
10. Nicht angeschlossen
11. Nicht angeschlossen
12. Nicht angeschlossen
13. Nicht angeschlossen
14. Nicht angeschlossen
15. Nicht angeschlossen

RS-232-Anschluss: 9-Pin Mini-DIN weiblich



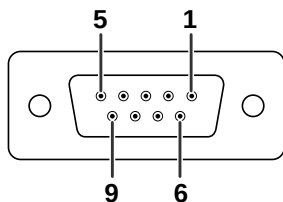
Pin-Nr.	Signal	Name	I/O	Referenz
1	VCC	+3.3V (Reserviert)	Ausgabe	Nicht angeschlossen
2	RD	Daten empfangen	Eingabe	interner Stromkreisanschluss
3	SD	Daten senden	Ausgabe	interner Stromkreisanschluss
4	EXIR	Detektor der Optionseinheit (Reserviert)	Eingabe	Nicht angeschlossen
5	SG	Signalgrund		interner Stromkreisanschluss
6	ERX	IR-Signalempfang von IR-Verstärker (Reserviert)	Eingabe	Nicht angeschlossen
7	RS	Sendeanfrage	Ausgabe	Nicht angeschlossen
8	CS	Sendebereit	Eingabe	Nicht angeschlossen
9	ETX	IR Signal übertragen (Reserviert)	Ausgabe	Nicht angeschlossen

9-Pin D-Sub männlicher Anschluss des DIN-D-Sub-RS-232C-Adapter



Pin-Nr.	Signal	Name	I/O	Referenz
1	CD	N		icht angeschlossen
2	RD	Daten empfangen	Eingabe	interner Stromkreisanschluss
3	SD	Daten senden	Ausgabe	interner Stromkreisanschluss
4	ER	N		icht angeschlossen
5	SG	Signalgrund		interner Stromkreisanschluss
6	DR	Datensatz bereit		Nicht angeschlossen
7	RS	Sendeanfrage	Ausgabe	interner Stromkreisanschluss
8	CS	Sendebereit	Eingabe	interner Stromkreisanschluss
9	CI	N		icht angeschlossen

RS-232C Kabel empfohlene Verbindung: 9-Pin-D-Sub weiblich

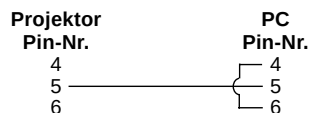


Pin-Nr.	Signal	Pin-Nr.	Signal
1	CD	1	CD
2	RD	2	RD
3	SD	3	SD
4	ER	4	ER
5	SG	5	SG
6	DR	6	DR
7	RS	7	RS
8	CS	8	CS
9	CI	9	CI

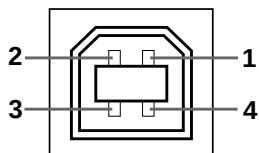


Hinweis

- Je nach Systemlayout kann es nötig sein, Pin 4 und Pin 6 beim kontrollierenden Gerät (z. B. Computer) zu verbinden.



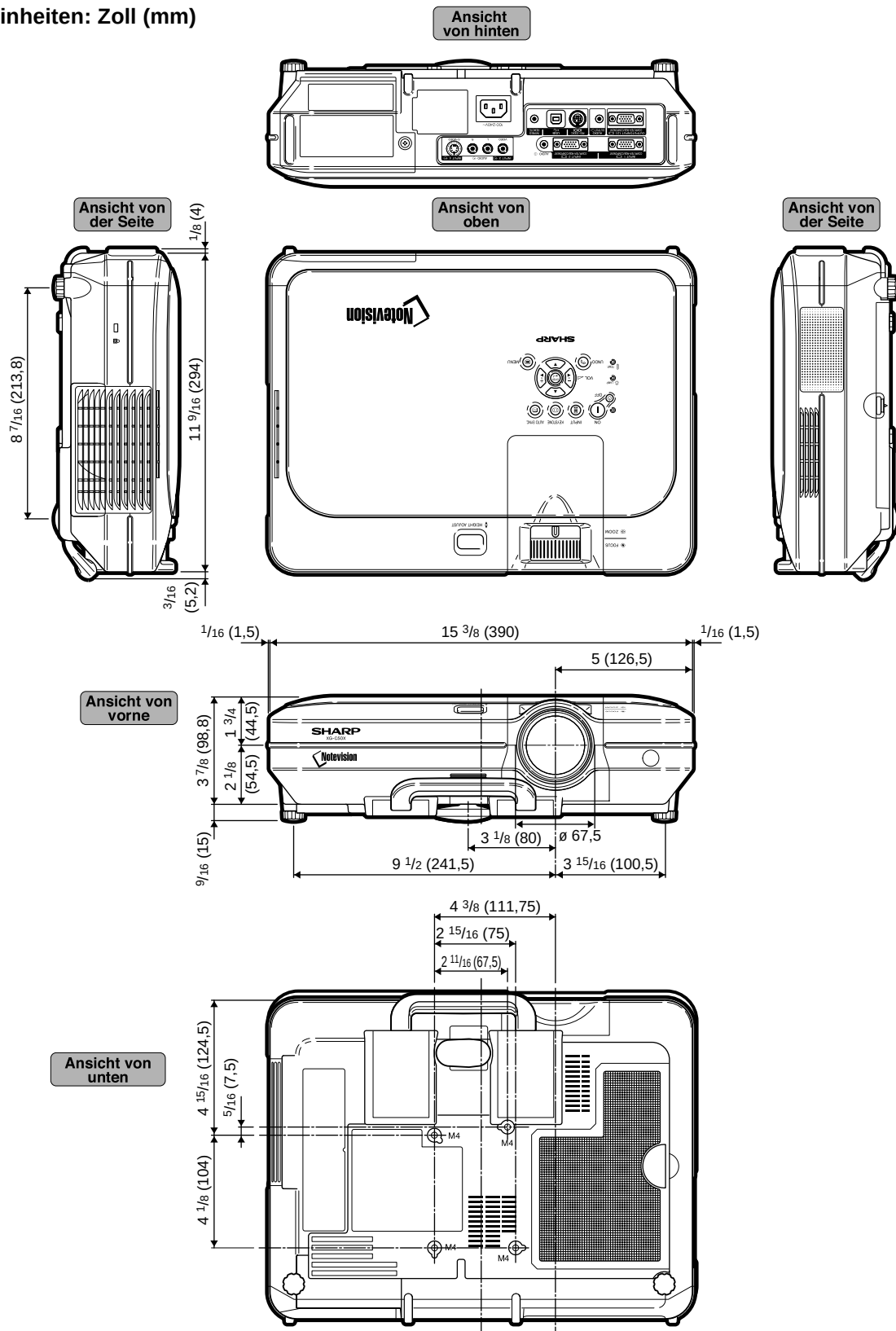
USB-Anschluss: 4-Pin-B-Typ USB-Stecker



Pin-Nr.	Signal	Name
1	VCC	USB-Strom
2	USB-	USB-Daten-
3	USB+	USB-Daten+
4	SG	Signalgrund

Abmessungen

Einheiten: Zoll (mm)



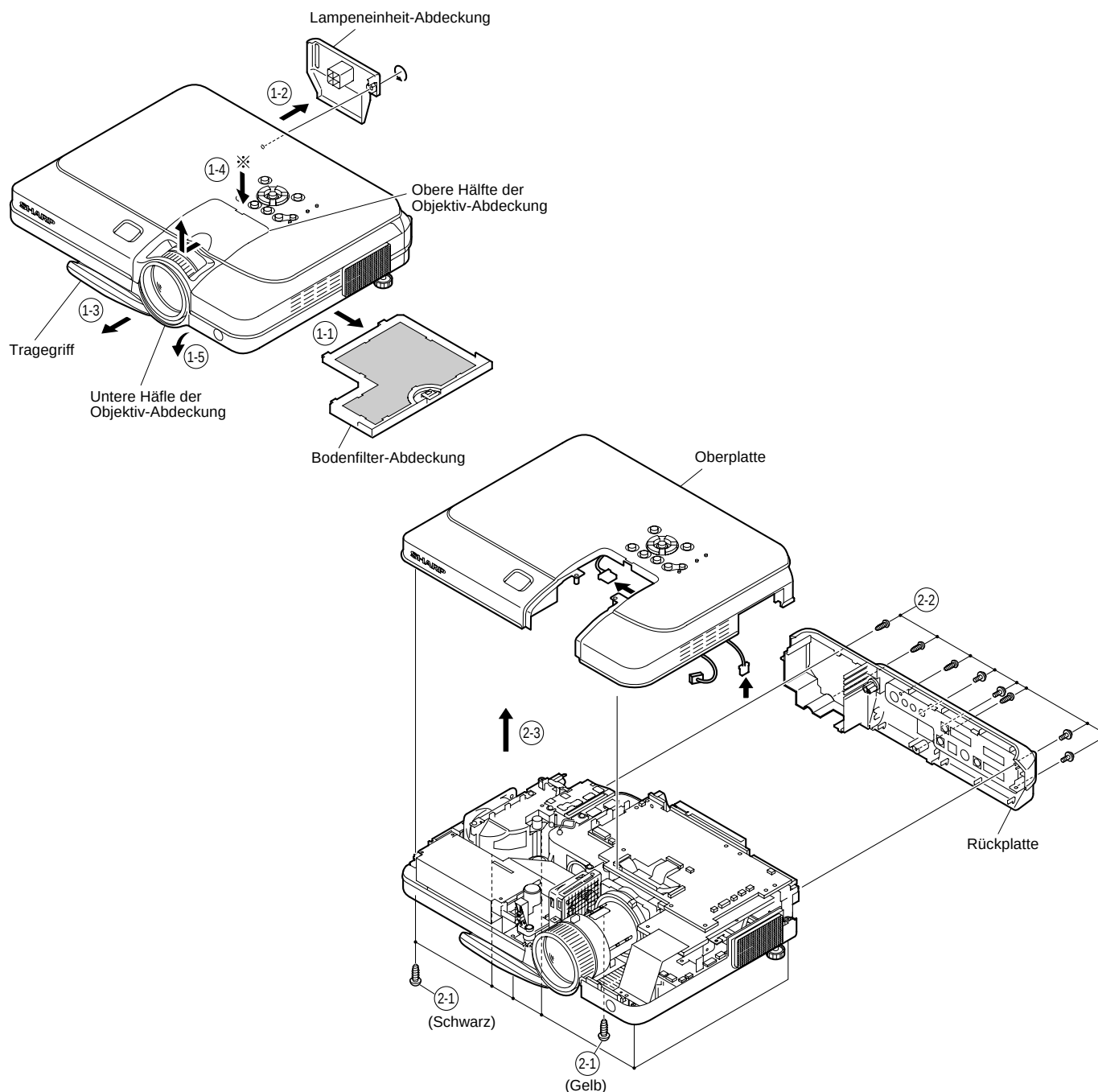
AUSBAU WICHTIGER TEILE

1. Ausbau von Bodenfilter-Abdeckung und Lampeneinheit-Abdeckung

- 1-1. Bodenfilter-Abdeckung abtrennen.
- 1-2. Die Sperrschraube von der Lampeneinheit-Abdeckung lösen und die Lampeneinheit-Abdeckung abnehmen.
- 1-3. Den Tragegriff herausziehen.
- 1-4. Die mit * markierte Stelle auf der oberen Hälfte der Objektiv-Abdeckung drücken, um die Klaue zu lösen, und dann die obere Hälfte der Objektiv-Abdeckung entfernen.
- 1-5. Die untere Hälfte der Objektiv-Abdeckung entfernen.

2. Oberplatte und Rückplatte entfernen

- 2-1. Sechs Sperrschrauben (schwarz) und eine Sperrschraube (gelb) von der Oberplatte entfernen.
- 2-2. Die acht Sperrschrauben von der Rückplatte entfernen, und die Rückplatte abnehmen.
- 2-3. Langsam die Oberplatte anheben und den Steckverbinder von der Schlüssel-Leiterplatte abtrennen. Eine andere Schraube entfernen, und die Oberplatte abnehmen.

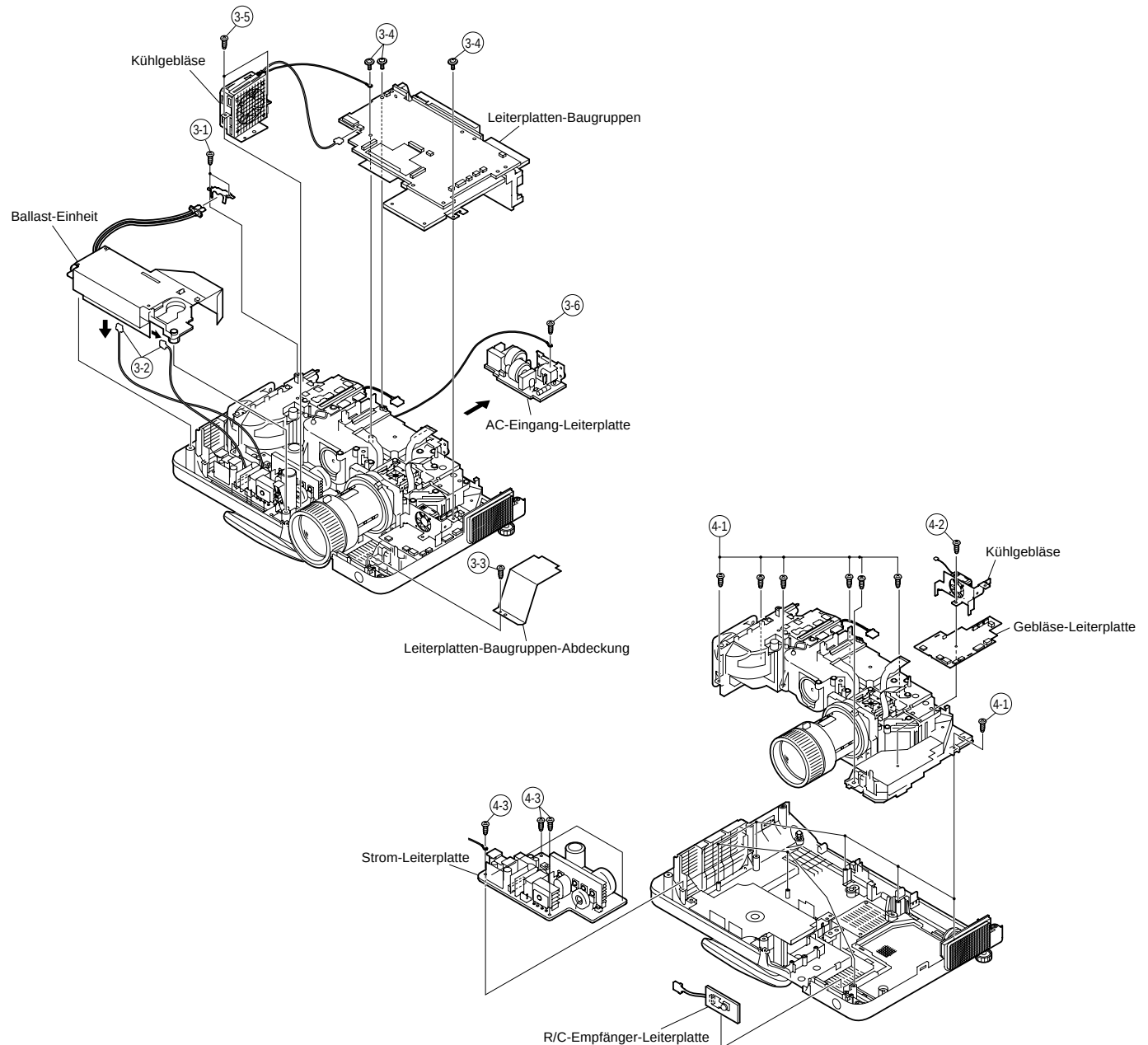


3. Entfernen der Leiterplatten

- 3-1. Die zwei Sperrschrauben vom Lampenfassung-Winkel entfernen. Den Lampenfassung-Winkel abtrennen.
- 3-2. Die Ballast-Einheit anheben. Den Steckverbinder abtrennen, und die Ballast-Einheit abtrennen.
- 3-3. Die Sperrschraube von der Leiterplatten-Einheit-Abdeckung lösen und die Abdeckung abnehmen.
- 3-4. Die drei Sperrschrauben vom Kühlgebläse entfernen, den Steckverbinder abtrennen, und die Leiterplatten-Baugruppe abnehmen.
- 3-5. Die zwei Sperrschrauben vom Kühlgebläse entfernen, den Steckverbinder abtrennen, und das Kühlgebläse abnehmen.
- 3-6. Die Sperrschraube von der Masseklemme entfernen, den Steckverbinder abtrennen, und die AC-Eingang-Leiterplatte abnehmen.

4. Entfernen von Optik-Mechanismus, Gebläse-Leiterplatte, Strom-Leiterplatte und R/C-Empfänger-Leiterplatte.

- 4-1. Die sieben Sperrschrauben vom Optik-Mechanismus entfernen, und den Optik-Mechanismus herausnehmen.
- 4-2. Die Sperrschraube vom Kühlgebläse entfernen, den Steckverbinder abtrennen, und die Kühlgebläse-Leiterplatte abnehmen.
- 4-3. Die vier Sperrschrauben von der Strom-Leiterplatte entfernen, und die Strom-Leiterplatte abnehmen.
- 4-4. Die R/C-Empfänger-Leiterplatte herausnehmen.



RÜCKSTELLUNG DES LAMPEN-TIMERS

1 Das Netzkabel anschließen.

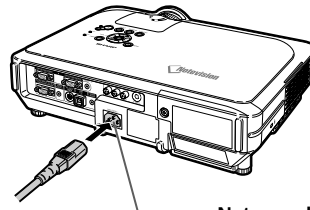
- Das Netzkabel am Netzanschluss des Projektors anschließen.

2 Den Lampen-Timer zurückstellen.

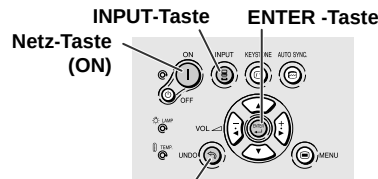
- Während ,  und  auf dem Projektor gleichzeitig gedrückt wird,  auf dem Projektor drücken.
- "LAMPE 100%" erscheint und zeigt damit an, dass der Lampen-Timer zurückgestellt ist.

Info

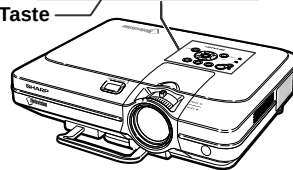
- Stellen Sie sicher, dass Sie den Lampen-Timer nur nach dem Austausch der Lampe zurücksetzen. Wenn Sie den Lampen-Timer zurücksetzen und dieselbe Lampe weiterhin verwenden, könnte die Lampe beschädigt werden oder explodieren.



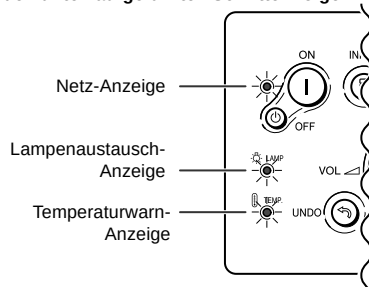
Netzanschluss



UNDO-Taste



- Die Warnleuchten auf dem Projektor weisen auf Fehlfunktionen im Projektor hin.
- Falls ein Problem auftritt, leuchtet entweder die Temperaturwarn-Anzeige oder die Lampenaustausch-Anzeige rot auf und die Stromversorgung wird ausgeschaltet. Nach dem Ausschalten des Gerätes den unten aufgeführten Schritten folgen.



Über die Lampenaustausch-Anzeige



Die restliche Lebensdauer der Lampe sinkt auf 0%, wenn sie ungefähr 2.000 Stunden im "Stromsparmodus" bei der Option "ON" verwendet wurde oder nach ungefähr 1.500 Stunden im "Stromsparmodus" bei der Option "OFF" (siehe Seite 69).

Wenn die restliche Lebensdauer der Lampe auf 6% oder weniger absinkt, wird  auf dem Bildschirm in gelb eingeblendet. Wenn der Prozentsatz 0% wird, ändert  auf  (rot), worauf die Lampe und danach der Projektor automatisch ausgeschaltet werden. Gleichzeitig leuchtet die Lampenaustausch-Anzeige rot auf. Nachdem Sie zum vierten Mal versucht haben den Projektor einzuschalten, ohne dass die Lampe ausgetauscht wurde, kann der Projektor nicht mehr eingeschaltet werden.

Über die Temperaturwarn-Anzeige

Wenn der Projektor wegen Problemen bei der Aufstellung oder wegen Blockierens der Luftöffnungen zu warm wird, blinkt

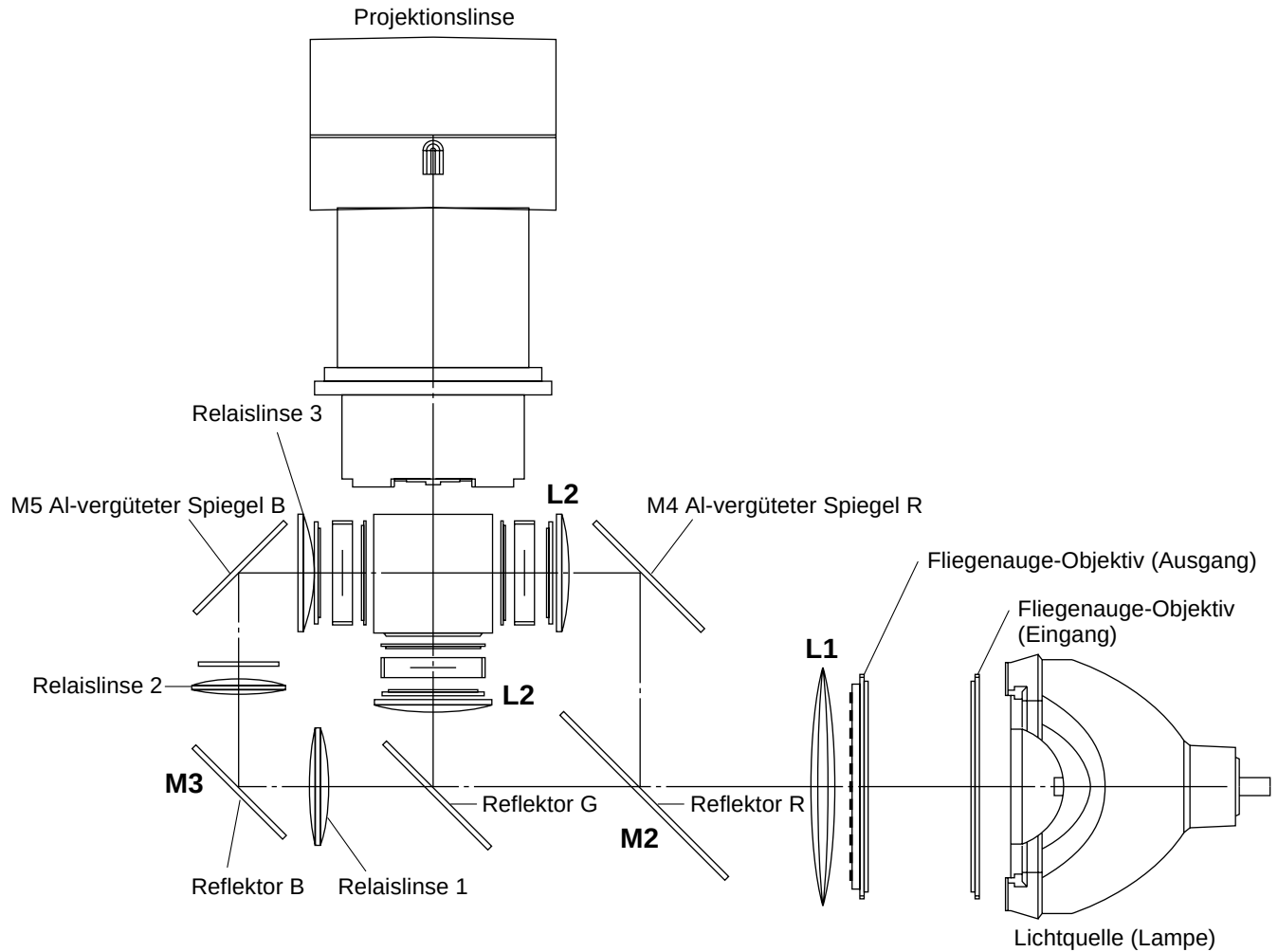
 in der unteren linken Ecke des Bildes. Wenn die Temperatur weiter ansteigt, schaltet sich die Lampe aus und die Temperaturwarn-Anzeige blinkt; der Kühlventilator dreht sich für weitere 90 Sekunden und anschließend wird die Stromversorgung ausgeschaltet. Nachdem  angezeigt wird, unbedingt die folgenden Maßnahmen durchführen.



	Wartungsanzeige		Symptom	Problem	Abhilfe
	Normal	Unnormal			
Temperaturwarn-Anzeige	Aus	Rot ein/ Strom aus	Die Temperatur im Inneren des Gerätes ist zu hoch.	• Belüftungsöffnungen blockiert. • Kühlventilator beschädigt. • Interne Schaltkreise beschädigt. • Luftfilter verstopft	• Den Projektor an einem besser belüfteten Ort aufstellen. • Den Projektor einem von Sharp autorisierten Händler für Projektoren oder dem Kundendienst zur Reparatur geben.
Lampenaustausch-Anzeige	Grün ein Grün blinkt, wenn die Lampe aktiviert ist.	Rot blinkt / Rot eingeschaltet Rot ein/ Strom aus	Die Lampe muss ausgetauscht werden Die Lampe leuchtet nicht.	• Restliche Lebensdauer der Lampe sinkt auf 6% oder weniger ab. • Ausgebrannte Lampe • Lampen-Schaltkreis beschädigt	• Ersetzen Sie die Lampe. • Den Projektor einem von Sharp autorisierten Händler für Projektoren oder dem Kundendienst zur Reparatur oder zum Lampenaustausch geben. • Lassen Sie beim Austausch der Lampe bitte die nötige Vorsicht walten.
Netz-Anzeige	Grün eingeschaltet / Rot eingeschaltet	Rot blinkt	Die Netz-Anzeige blinkt bei eingeschaltetem Projektor rot auf.	• Die Filterabdeckung, die Abdeckung der Lampeneinheit oder die Objektivkappe ist geöffnet.	• Setzen Sie die Filterabdeckung sorgfältig ein. • Sollte die Netzanzeige auch bei korrekt eingesetzter Filterabdeckung rot aufblinken, dann wenden Sie sich bitte an Ihren einen von Sharp autorisierten Händler für Projektoren oder anderen Kundendienste.

KURZBESCHREIBUNG DER OPTIK-EINHEIT

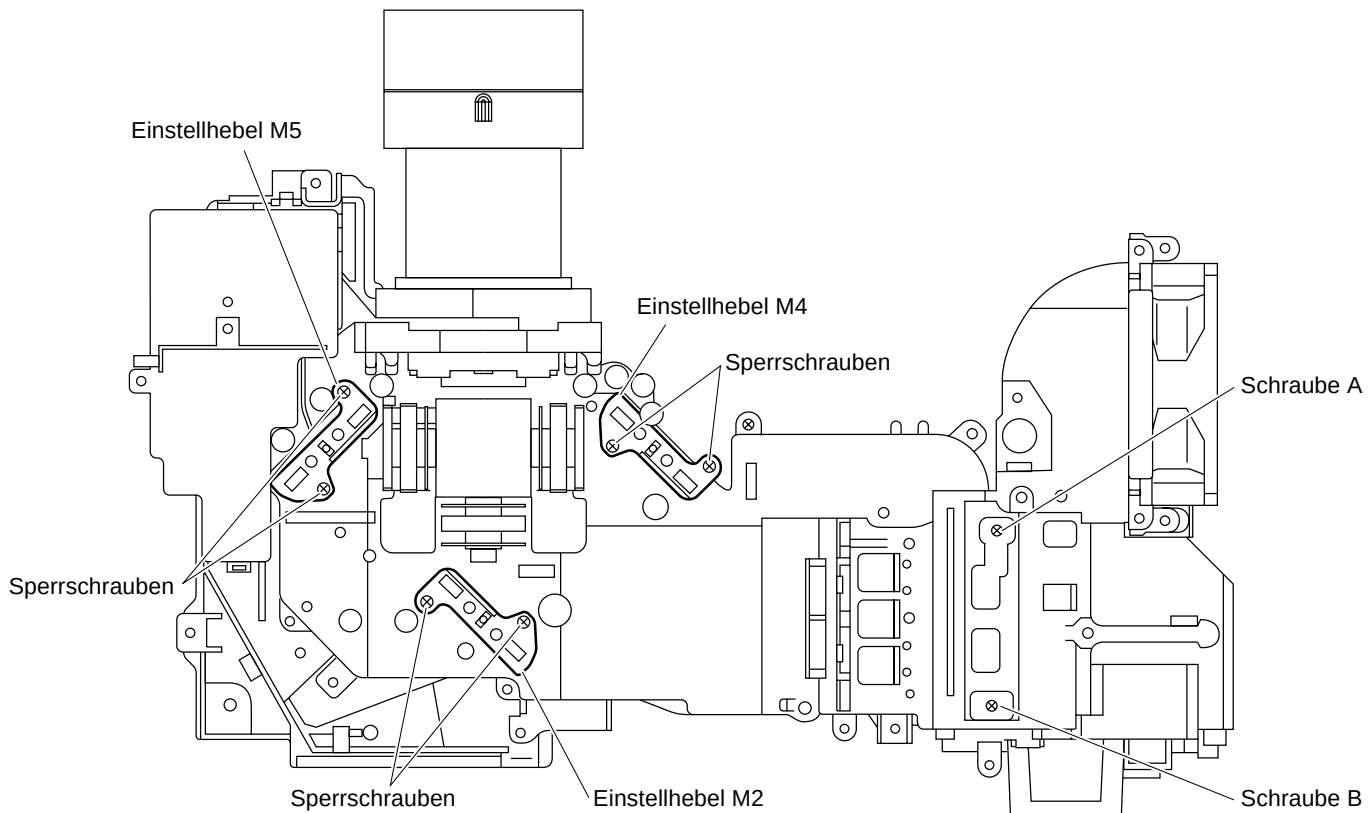
Layout für richtige Einrichtung der optischen Komponenten und Teile (Draufsicht)



Einstellen der Spiegel

Diese Einstellung ist erforderlich, wenn optische Teile des Optik-Mechanismus ersetzt wurden.

1. Die Flachkabel von allen LCD-Platten abtrennen.
2. Die Lampe einschalten.
3. Ein Weißlichtbild projizieren und prüfen, ob ein Farbstich in einer Richtung vorhanden ist. Falls vorhanden, die Einstellhebel M2, M4 und M5 verwenden.
4. Die Einstellhebel-Sperrschrauben lösen, Einstellungen vornehmen, und die Sperrschrauben festziehen.



Korrigieren von Farbabweichungen auf rein weißen Bildschirm beim Ersetzen der Lampe

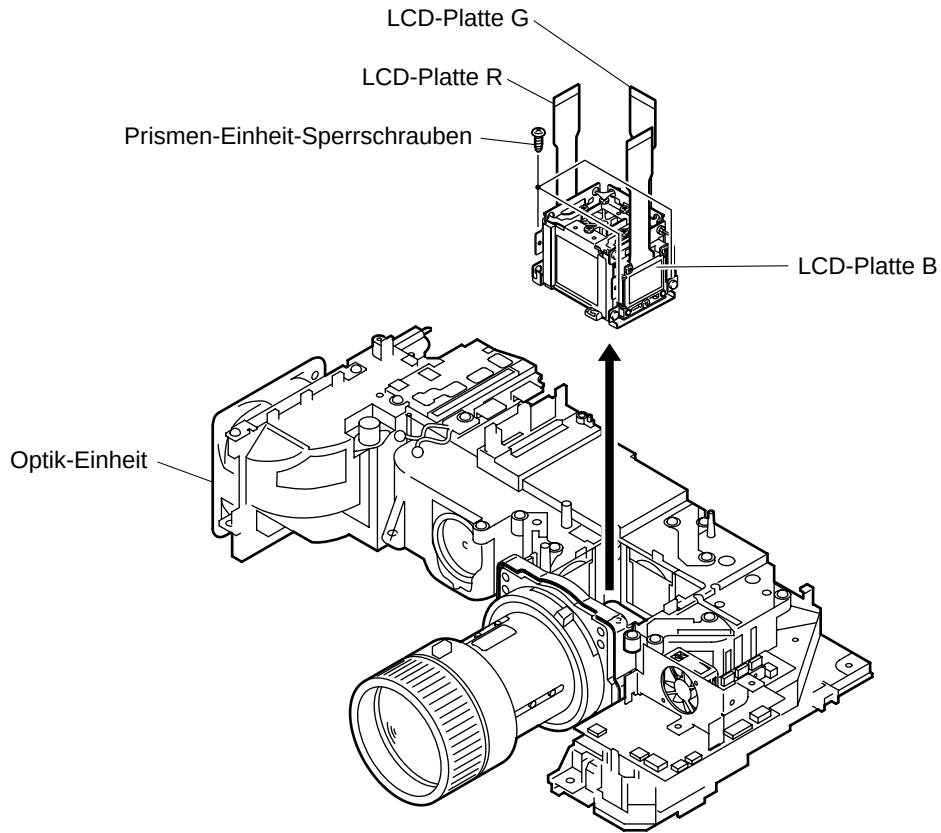
Falls Farbabweichungen rechts und links in einem rein weißen Bildschirm nach dem Ersetzen der Lampe vorgefunden werden, ist es erforderlich, die optische Achse der neuen Lampe nachzujustieren. Die folgenden Schritte ausführen.

1. Die Lampenabdeckung öffnen und die Schrauben A und B am Boden der Lampe lösen.
2. Mit einem Schraubenzieher o.ä. die U-förmige Rille im Fenster D in Pfeilrichtung bewegen.
3. Provisorisch die Schrauben A und B festziehen, die Lampenabdeckung schließen und den rein weißen Bildschirm auf Farbabweichungen prüfen.
4. Die obigen Schritte 1 und 2 wiederholen, bis keine Farbabweichungen vorliegen. Jetzt die Schrauben A und B festziehen.
5. Schließlich die Lampenabdeckung in der ursprünglichen Position befestigen.

Ersetzen der Prismen-Einheit

1. Die vier Sperrschrauben entfernen, und die Prismen-Einheit aus der Optik-Einheit nehmen.
2. Die Prismen-Einheit durch die neue ersetzen. Den obigen Schritt 1 in umgekehrter Reihenfolge ausführen.

Hinweis: Auch wenn nur eine der LCD-Platten defekt ist, ist es erforderlich, die gesamte Prismen-Einheit zu ersetzen. Nicht nur die defekte LCD-Platte ersetzen. Unter den gegebenen Umständen bitte nicht den Displayteil des LCD berühren.



Freigabe der Systemsperre

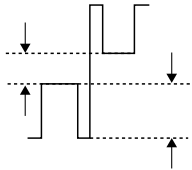
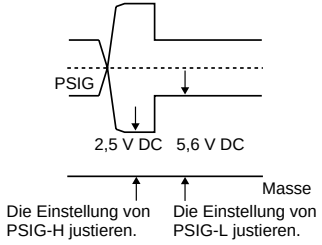
Das Gerät einschalten. Wenn die Systemsperre aktiviert wird, erscheint die System-Nullstellungsanzeige. Danach sind die folgenden Tasten in der vorgeschriebenen Reihenfolge zu betätigen.

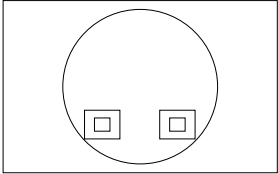
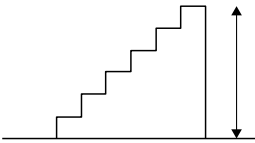
MENU → ENTER → ENTER → MENU → UNDO → UNDO → MENU

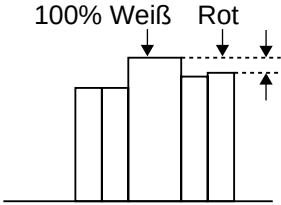
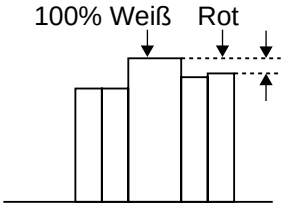
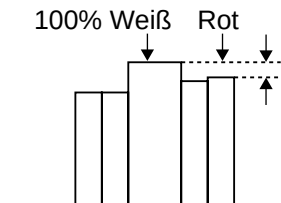


Zuerst die MENU-Taste drücken, dann die verbleibenden Tasten innerhalb von 10 Sekunden betätigen.

ELEKTRISCHE EINSTELLUNG

Nr.	Einstellgegenstände	Einstellbedingungen	Einstellverfahren
1	Initialisieren von EEPROM	1. Die Betriebsstromversorgung einschalten (die Lampe leuchtet auf), und das System 15 Minuten lang warmlaufen lassen.	1. Die folgenden Einstellungen vornehmen. S2601 drücken, um auf Prozessmodus zu schalten, und S2 im SSS-Menü ausführen. Jetzt ist der EEPROM, ausgenommen für die PC-Schnittstelleneinheit, initialisiert. Nicht S1 ausführen, oder die PC-Schnittstelleneinheit selber wird initialisiert. (Die PC-Schnittstelleneinheit ist werkseitig eingestellt.) Zum Einstellen der PC-Schnittstelleneinheit siehe Abschnitt "Einstellen der PC-Schnittstelleneinheit" auf der letzten Seite.
2	Einstellung der RGB1-Schwarzpegel-Signalamplitude	1. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT1 Gegenstand: G1-BLK, G1-GAIN Für die Farbe R die Gegenstände R1-BLK und R1-GAIN wählen. Für die Farbe B die Gegenstände B1-BLK und B1-GAIN wählen. 2. Sicherstellen, dass die Prozesseinstellung-Farbbalken angezeigt werden. 3. Für die Farbe G ein Oszilloskop an Stift (2) von P1301 anschließen. 4. Für die Farben R und B das Oszilloskop jeweils an Stift (1) von P1301 und Stift (3) von P1301 anschließen.	1. Den Gegenstand G1-GAIN wählen. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellung so einstellen, dass die Signalamplitude 4,0 Vs-s $\pm 0,05$ V beträgt. 2. Den Gegenstand G1-BLK wählen. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellung so einstellen, dass der Weiß-Weiß-Pegel 1,8 Vs-s $\pm 0,1$ V beträgt. 3. Gleichermaßen für die anderen Farben R und B verfahren.  * Die G1-Gegenstände sind mit den R1- und B1-Gegenständen verknüpft. Wenn die Einstellung für G1-BLK geändert wurde, sind deshalb die Einstellungen für R1-BLK und B1-BLK gleichermaßen geändert. Wenn die Einstellung für G1-GAIN geändert wurde, sind deshalb die Einstellungen für R1-GAIN und B1-GAIN gleichermaßen geändert. Zuerst die G1-Einstellungen vornehmen, und dann die Einstellungen für R1 und B1 nach Bedarf korrigieren.
3	Einstellung von PSIG	1. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT2 Gegenstand: PSIG-H, PSIG-L Sicherstellen, dass die Einstellungen für PSIG-H und PSIG-L bei 64 bzw. 100 sind.	1. Die angezeigte PSIG-Wellenform erhalten. (Das XGA-Signal einspeisen.)  Die Einstellung von PSIG-H justieren. Die Einstellung von PSIG-L justieren. Masse

Nr.	Einstellgegenstände	Einstellbedingungen	Einstellverfahren
4	Prüfen der Abtasten-Halte-Impulsphase	1. Das XGA-Mode 75-Hz Schwarz-Signal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT3 Gegenstand: GCK-PHASE	1. Den festen Wert prüfen. Fester Wert: 6
5	Einstellung der RGB-Gegenspannung	1. Das Gegenspannung-Einstellsignal (XGA), wie von der Technischen Abteilung vorbereitet, einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT3 Gegenstand: RC (R), GC (G), BC (B)	1. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellungen einstellen, um Flimmern zu minimieren. 2. Wenn die Ergebnisse in der Mitte und an beiden Seiten auf dem Bildschirm inkonsistent sind, die Einstellungen nachjustieren, um das gleiche Ergebnis an beiden Seiten zu erhalten.
6	Einstellung der RGB-Gradation-Reproduktion	1. Das SMPTE-Mustersignal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT1 Gegenstand: G1-BLK	1. Bestätigen, dass die 100% und 95% Weißgradation ebenso wie die 0% und 5% Schwarzgradation unterscheidbar sind. 2. Wenn die Weißgradation unterschiedlich aussieht, die Einstellung für G1-BLK fein justieren. 
7	Einstellung des RGB-Weißabgleichs	1. Das 32-Stufen-Grauskalasignal (XGA, 60 Hz) einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT1 Gegenstand: R1-BLK (R), B1-BLK (B)	1. Die Einstellungen R1-BLK and B1-BLK so justieren, dass sie die vorgeschriebene Gradationsbalance habe (entsprechend Standard-Monitor).
8	Einstellung von Video-AGC	1. Das NTSC 10-Stufen-Grauskalasignal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: AGC-ADJ 3. Das Oszilloskop zwischen TP4501 und TP4502 anschließen.	1. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellung so einstellen, dass der Weiß-Schwarz-Pegel $0,72 \text{ Vs-s} \pm 0,01 \text{ V}$ beträgt. 
9	Einstellung von Videohelligkeit/Kontrast	1. Das NTSC 100% Fenster-Mustersignal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: AUTO, PICTURE/BRIGHT	1. Das Signal einspeisen. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung den Gegenstand AUTO wählen. Die Einstellung wird automatisch vorgenommen. 2. Dann die Einstellung von PICTURE/BRIGHT justieren, bis das Signal bitfrei wird.

Nr.	Einstellgegenstände	Einstellbedingungen	Einstellverfahren
10	Einstellung von Video-Farbtönen	- Das Teil-Farbbalken-Signal einspeisen. - Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO1 Gegenstand: TINT	Den festen Wert bestätigen. Fester Wert: 128
11	Einstellung von NTSC-Farbsättigung	- Das Teil-Farbbalken-Signal einspeisen. - Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: N-COLOR * Das Oszilloskop an Pin (1) von P1301 anschließen.	Den festen Wert bestätigen. Fester Wert: 54 (Zur Bezugnahme: 0,4 Vs-s) 
12	Einstellung der PAL-Farbsättigung	- Das PAL-Farbbalken-Signal einspeisen. - Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: P-COLOR * Das Oszilloskop an Stift (1) von P1301 anschließen.	Den festen Wert bestätigen. Fester Wert: 51 (Zur Bezugnahme: 0,4 Vs-s) 
13	Einstellung der SECAM-Farbsättigung	- Das SECAM-Farbbalken-Signal einspeisen. - Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: S-COLOR * Das Oszilloskop an Stift (1) von P1301 anschließen.	Den festen Wert bestätigen. Fester Wert: 48 (Zur Bezugnahme: 0,6 Vs-s) 
14	Einstellung des Video-Weißabgleichs	- Das NTSC-Testbildröhren-Mustersignal einspeisen. - Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: VIDEO Gegenstand: V-R1-BLK, V-B1-BLK	Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellungen einstellen, die den gleichen Weißabgleich wie auf dem Standard-Monitor haben.
15	Einstellung der COMPO-Helligkeit	- Das 0%-Graumustersignal (480I) einspeisen. - Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: COMPO Gegenstand: G-BRIGHT	Das Signal an INPUT1 einspeisen. Die Einstellung so justieren, dass einige Bites auf dem Bildschirm fehlen.

Nr.	Einstellgegenstände	Einstellbedingungen	Einstellverfahren
16	Einstellung von COMPO CB-Offset und CR-Offset	1. Das Y-0% Helligkeit, Cb und Cr 0% Weißmuster-Farbdifferenz-Signal (480I) einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: COMPO Gegenstand: AUTO	1. Das Signal einspeisen. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung den Gegenstand AUTO wählen. Die Einstellung wird automatisch vorgenommen.
17	Einstellung von COMPO-Weißabgleich	1. Das DTV-Testbildröhren-Mustersignal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: COMPO Gegenstand: CR-R1-BLK, C-B1-BLK	1. Mit dem Steuerschalter am Gerät oder der betreffenden Taste an der Fernbedienung die Einstellungen einstellen, die den gleichen Weißabgleich wie auf dem Standard-Monitor haben.
18	Einstellung des RGB-Weißabgleichs	1. Das RGB 50%-Graumustersignal einspeisen. 2. Die folgende Gruppe und die folgenden Gegenstände wählen. Gruppe: OUTPUT1 Gegenstand: S-R1-BLK, S-R1-GAIN, S-G1-BLK, S-G1-GAIN, S-B1-BLK, S-B1-GAIN 3. Den Helligkeitsmesser BM-5 und das Standard-Whiteboard bereit halten.	1. Sicherstellen, dass die Einstellung von S-R1-BLK die gleiche ist wie die von R1-BLK. Sicherstellen, dass die Einstellung von S-G1-BLK die gleiche ist wie die von R1-BLK. Sicherstellen, dass die Einstellung von S-B1-BLK die gleiche ist wie die von R1-BLK. Sicherstellen, dass die Einstellung von S-R1-GAIN die gleiche ist wie die von R1-GAIN. 2. Die Einstellungen von S-B1-GAIN und S-G1-GAIN so justieren, dass die Farbsättigung am Helligkeitsmesser wie folgt angezeigt wird. x: $313 \pm 7/1000$ y: $350 \pm 10/1000$

Teaching-Intervalle: 18
Helligkeit-einstellbare Richtung: Helligkeit höher durch höhere Einstellung (zu prüfen)
Einstellpunkte: Dreidimensional (zu prüfen)
Gradation 4 (zu prüfen)
Gradation 5 (zu prüfen)
Gradation 6 (zu prüfen)

Andere Gradationen, nicht zu prüfen
Einstellbare Farben: R, G und B einstellbar (zu prüfen)

(2) Farbabweichung-Korrektur (Einstellung)

C50 Bedingungen Einrichtung ()

Korrekturverfahren-Einstellungen

Gradation 7: 2. Korrekturwert mit niedrigerer Gradation zu verwenden.
Gradation 6: 0. Korrektur mit Korrekturkoeffizient.
Gradation 5: 0. Korrektur mit Korrekturkoeffizient.
Gradation 4: 0. Korrektur mit Korrekturkoeffizient.
Gradation 3: 1. Korrekturwert mit höherer Gradation zu verwenden.
Gradation 2: 1. Korrekturwert mit höherer Gradation zu verwenden.
Gradation 1: 4. Anfangswert zu verwenden.
Gradation 0: 4. Anfangswert zu verwenden.

Für das betreffende Modell den in (2) eingegebenen Namen verwenden, um die Farbabweichung-Korrektur zu starten. Wenn das Gerät optische Eigenschaften hat, die sich von den Normaleigenschaften stark unterscheiden oder wenn es fehlende Farbabweichung-Linien aufweist, den Teaching-Vorgang für das betreffende Gerät ausführen. Seine spezifizierten Korrekturkoeffizienten bei der Einstellung verwenden.

Nr.	Einstellgegenstände	Einstellbedingungen	Einstellverfahren
19	Prüfen und Nachjustieren des Weißabgleichs	1. Die Einstellbedingungen für jeden Gegenstand sind wie folgt: Für RGB-Eingang siehe Gegenstand 7. Für Video-Eingang siehe Gegenstand 13. Für COMPO-Eingang siehe Gegenstand 16.	1. Sicherstellen, dass der Weißabgleich so ist, wie beim Standardmonitor angegeben. Nur Nachjustierung in der Reihenfolge RGB-Eingang, Video-Eingang und COMPO-Eingang verfahren.
20	Farbbezogene Leistung prüfen	1. Das Farbbalken-Signal empfangen.	1. L1 im Prozessmodus wählen. Die Leistung von Farbe und Farbton prüfen.
21	Die bildbezogene Leistung prüfen	1. Das Testbildröhren-Mustersignal empfangen.	1. L2 im Prozessmodus wählen. Bild, Helligkeit und Schärfe prüfen.
22	Die RGB-Leistung prüfen	1. Das RGB-Signal empfangen.	1. L4 im Prozessmodus wählen. Bild, Helligkeit, Rot, Blau, Takt, Phase, H-POS und V-POS prüfen.
23	Die Ausschalt-Timer-Funktion prüfen		1. OFF im Prozessmodus wählen. Sicherstellen, dass der Ausschalt-Timer mit 5-Minuten-Anzeige startet, 1 Minute für 1 Sekunde herunterzählt, und ausschalten, wenn 0 Minuten angezeigt wird.
24	Prüfen der Thermistor-Funktion	1. Den Thermistor mit einem Haarfön erhitzen.	1. Sicherstellen, dass die Temperatur angezeigt wird.
25	Automatische Sync-Funktion	1. Das Phasen-Prüfmustersignal empfangen.	1. Sicherstellen, dass Takt, Phase, H-POS und V-POS automatisch im Modus VGA/S-VGA/XGA eingestellt werden können.
26	Die USB-Leistung prüfen	1. Mit dem USB-Kabel das Gerät an einen PC anschließen.	1. Mit der Fernbedienung sicherstellen, dass Einspeise- und Rückföhrvorgänge auf dem Bildschirm des PC wirksam sind.
27	Werkseitige Einstellungen		1. Die folgenden Einstellungen vornehmen. Ziel / Prozesseinstellung / Fernbedienung-Einstellungen Nordamerika-Modelle: S4 "Werkseitige Einstellung 4" Inlandsmodelle: S5 "Werkseitige Einstellung 5" Andere Modelle: Nordamerika: S3 "Werkseitige Einstellung 3"

Einstellung der PC-Schnittstelleneinheit

1. Initialisieren von EEPROM

- 1) SW2801 drücken, um auf Prozessmodus zu schalten.
- 2) S1 im SSS-Menü ausführen. (Mit S1 wird die Platine alleine initialisiert. Nicht S2 ausführen, oder alle Justierdaten, ausgenommen die für PC-Schnittstelle, werden initialisiert.
- 3) Sicherstellen, dass die Programmversion "VER. XXX" im Menü SPECIAL die neueste ist.

2. Pegel-Einstellungen

2-1. Einstellen des Oszilloskops

Den Oszilloskop-Bereich auf DC1V/div und S_{μ} S/div stellen.

2-2. Anschließen der PC-Schnittstelle

- 1) Das vorgeschriebene Kabel zwischen ANALOG OUTPUT (am Signalgenerator) und der Buchse DSUB (INPUT1 am Projektor) anschließen.
- 2) Den Eingangswähler des Projektors auf INPUT1 stellen.
- 3) Den Signalgenerator auf XGA-Modus stellen (1024x768, 60 Hz, 32-Stufen-Gradation). Außerdem die Ausgangsamplitude (zwischen schwarz und weiß) auf 700 mVs-s einstellen (terminiert mit 75 Ohm Impedanz).
- 4) Netzstrom einschalten.

2-3. Einstellgegenstände

1) Einstellung von RGB Treiber/Verstärkung

- (1) Das Fenster-Mustersignal einspeisen, das 100% und 0% Signale hat.
- (2) AUTO unter den A/D-Gegenständen im Prozessmodus wählen, und die Einstellungen vornehmen.

• Eingabe des Einstellprozeßmodus

Es gibt die folgenden zwei Verfahren.

- Den SW2001 an der Tastenplatten-Einheit drücken.
- Die folgenden Tasten in der vorgeschriebenen Reihenfolge betätigen.

Netz→Einstell oben→Einstell unten→Einstell oben→Einstell unten→ENTER→ENTER→MENU



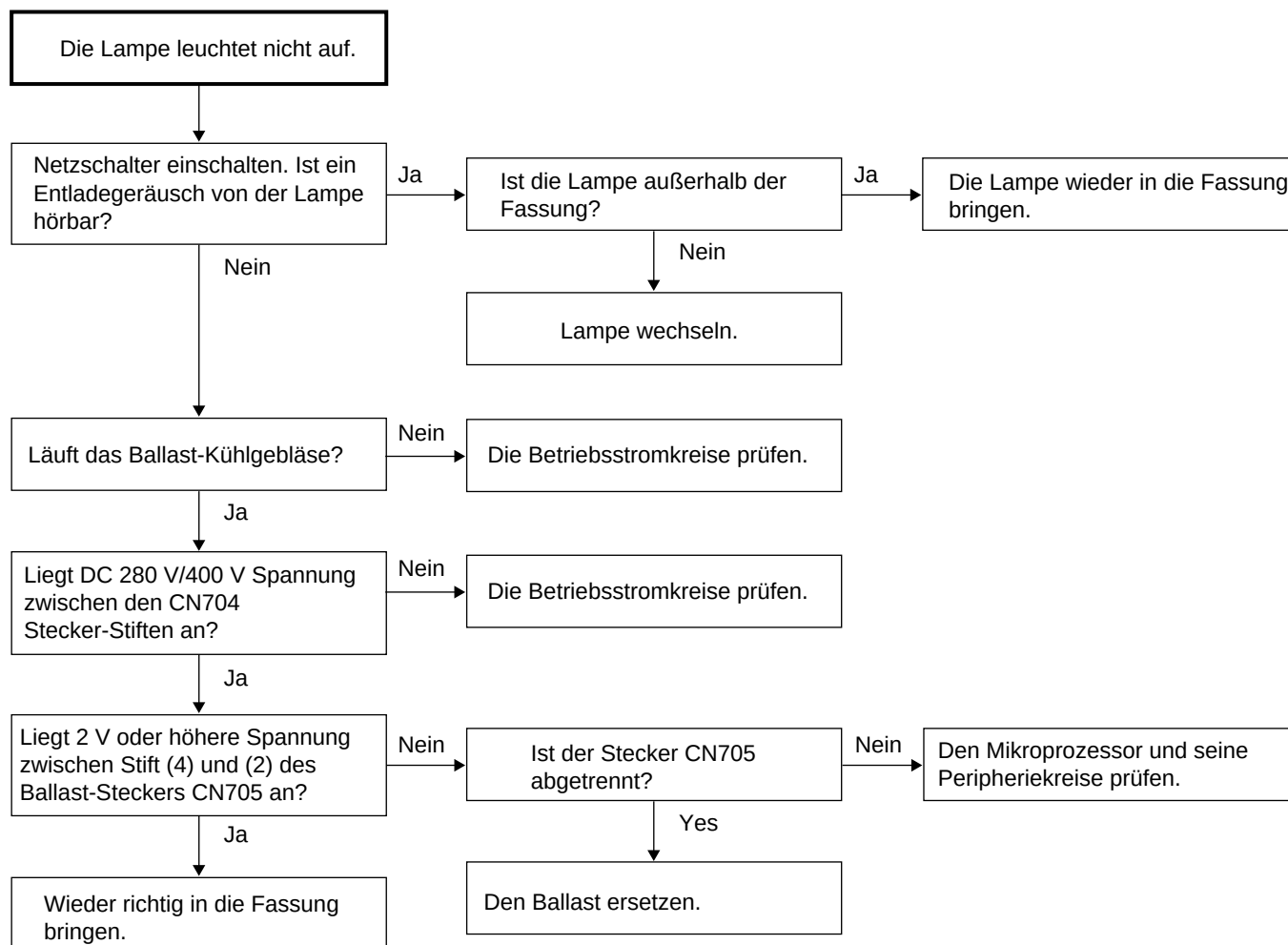
• Einstellmodus-Prozessmenü

Gruppe	Untergruppe	Gegenstand
Adjust PC Image	A/D	R-BRIGHT G-BRIGHT B-BRIGHT R-D B-D G-D AD-AUT
Adjust RGB Image	OUTPUT1	R1-BLK R1-GAIN G1-BLK G1-GAIN B1-BLK B1-GAIN S-R1-BLK S-R1-GAIN S-G1-BLK S-G1-GAIN S-B1-BLK S-B1-GAIN
Adjust Panel Drive	OUTPUT2	PSIG-H PSIG-L
Adjust Commn Voltage	OUTPUT3	RC GC BC GCK-PHASE
Adjust Video Image	VIDEO	PICTURE BRIGHT TINT N-COLOR P-COLOR S-COLOR AGC-CNT AGC-ADJ STAT-GAIN V-R1-BLK V-B1-BLK VIDEO-AUTO
Adjust Component Image	COMP	G-BRIGHT CB-OFFSET CR-OFFSET C-R1-BLK C-B1-BLK COMPO-AUTO

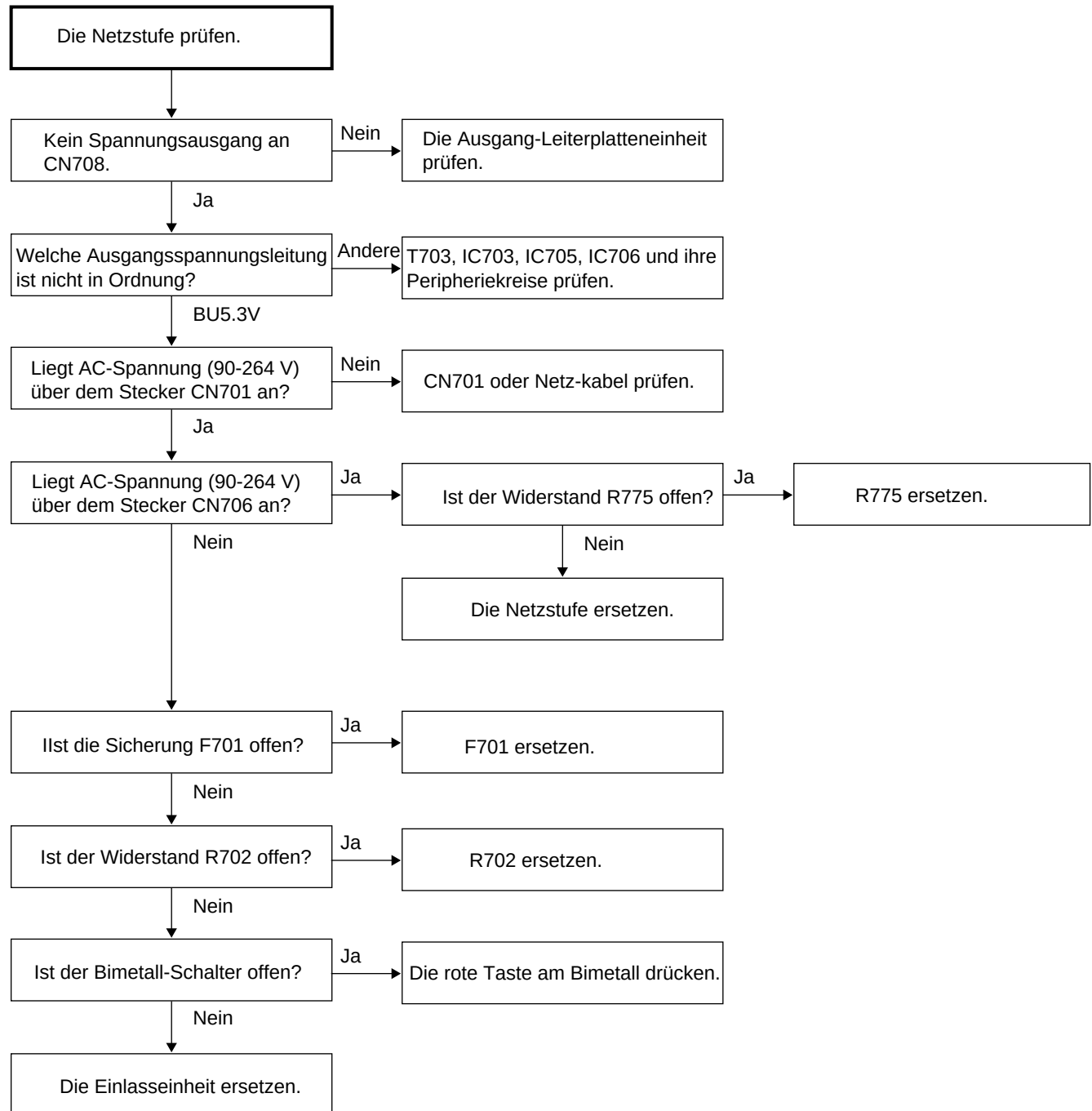
Gruppe	Untergruppe	Gegenstand	
Process Mode	LINE	L1 L2 L4 OFF TEMP OFF SENSOR CHECK	
Initial Setting	SSS	TIME S1 S2 S3 S4 S5	
Sample Pattern	PATTERN	RGB RGB[50] CROSS FOCUS STEP COLOR CHR	
Adjust CVIC	CVIC	PROGRESSIVE	MODE IP MDSW PTGSW C-TESTSW C-ILG-LY C-MOD-LY C-VE-LV
		ENHANCE-VIDE	ENH-PLUS ENH-MINUS DFC
		ENHANCE-HDTV	ENH-PLUS ENH-MINUS DFC
		ENHANCE-RGB	MODE ENH-GAIN ENH-PLUS
		SCREEN	CUBIC-RGB CUBIC-VIDEO
		NR	YNR-LEVEL YNR-K YNR-FSEL CNR-LEVEL CNR-K CNR-FSEL CNR-FILSW
		PTG	TBL-NO TESTSW ENABLE MV-F VDDYP

Gruppe	Untergruppe	Gegenstand	
Adjust CVIC		CMS-HUE	CMS-HUE-R CMS-HUE-Y CMS-HUE-G CMS-HUE-C CMS-HUE-B CMS-HUE-M
		CMS-SAT	CMS-SAT-R CMS-SAT-Y CMS-SAT-G CMS-SAT-C CMS-SAT-B CMS-SAT-M
		CMS-VAL	CMS-VAL-R CMS-VAL-Y CMS-VAL-G CMS-VAL-C CMS-VAL-B CMS-VAL-M DEGAMMA
Adust Digital Convergence	CONVER	CC R-CNV-H G-CNV-H B-CNV-H R-CNV-V G-CNV-V B-CNV-V	
Vesion Cehck etc	SPECIAL	IPL IPL2 E2PROM ADR RD/WR USB-MODE	

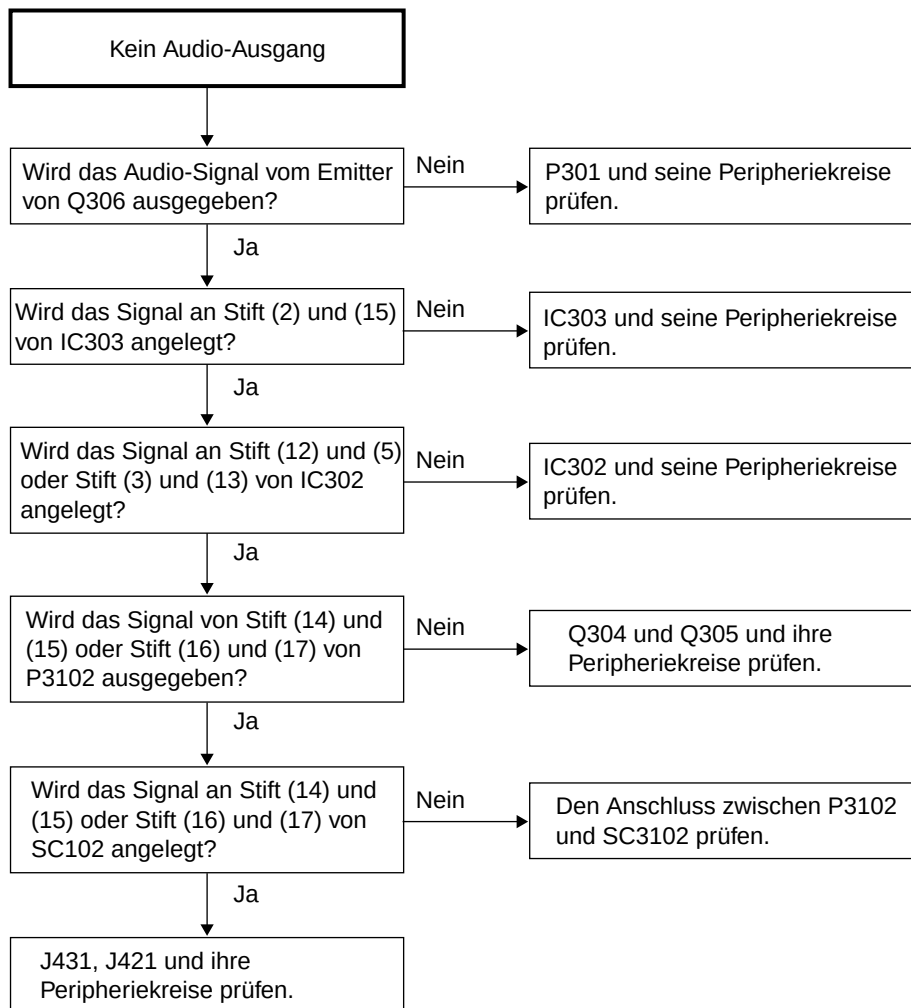
FEHLERSUCHTABELLE



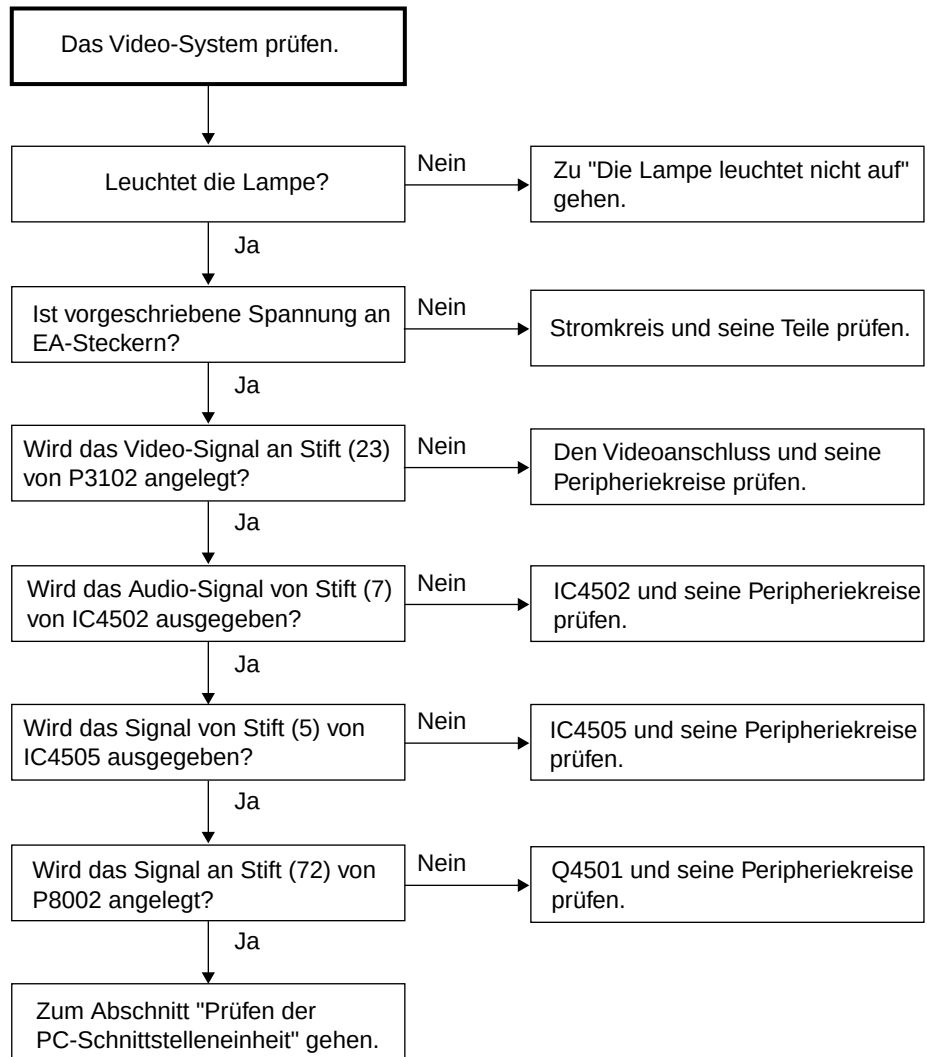
FEHLERSUCHTABELLE (Fortsetzung)



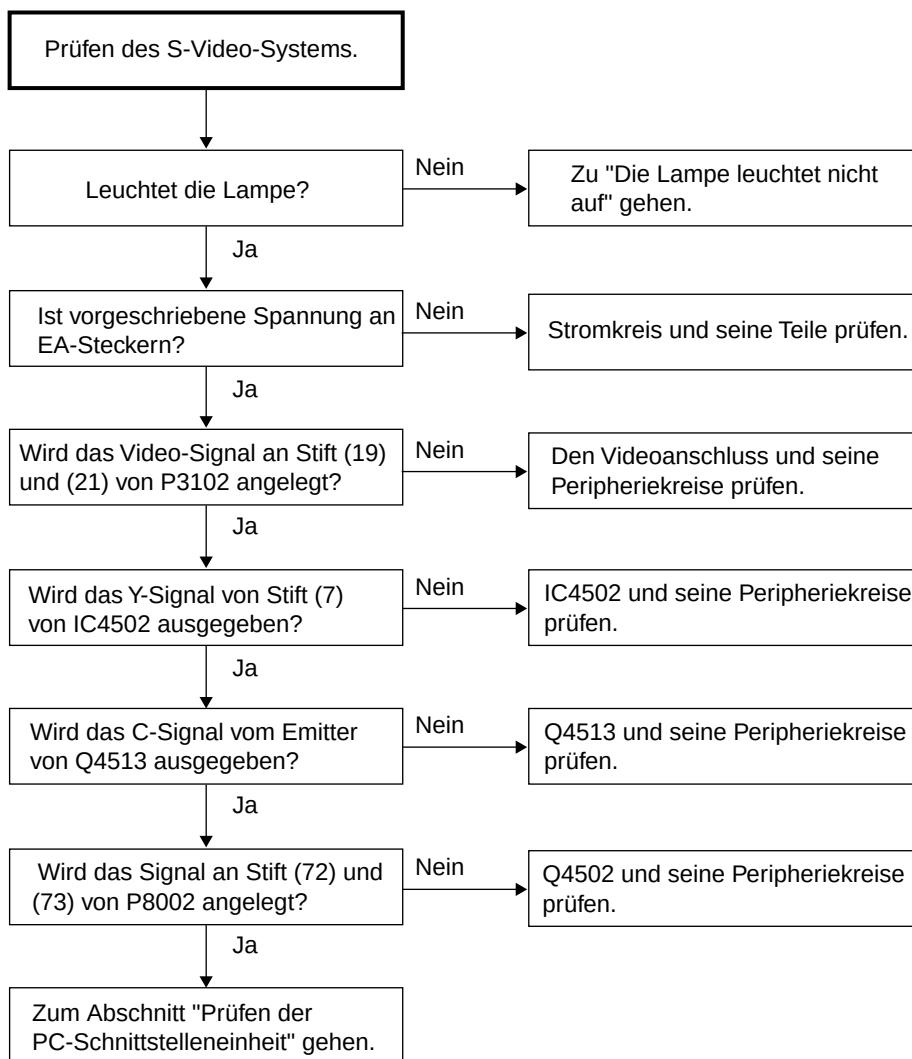
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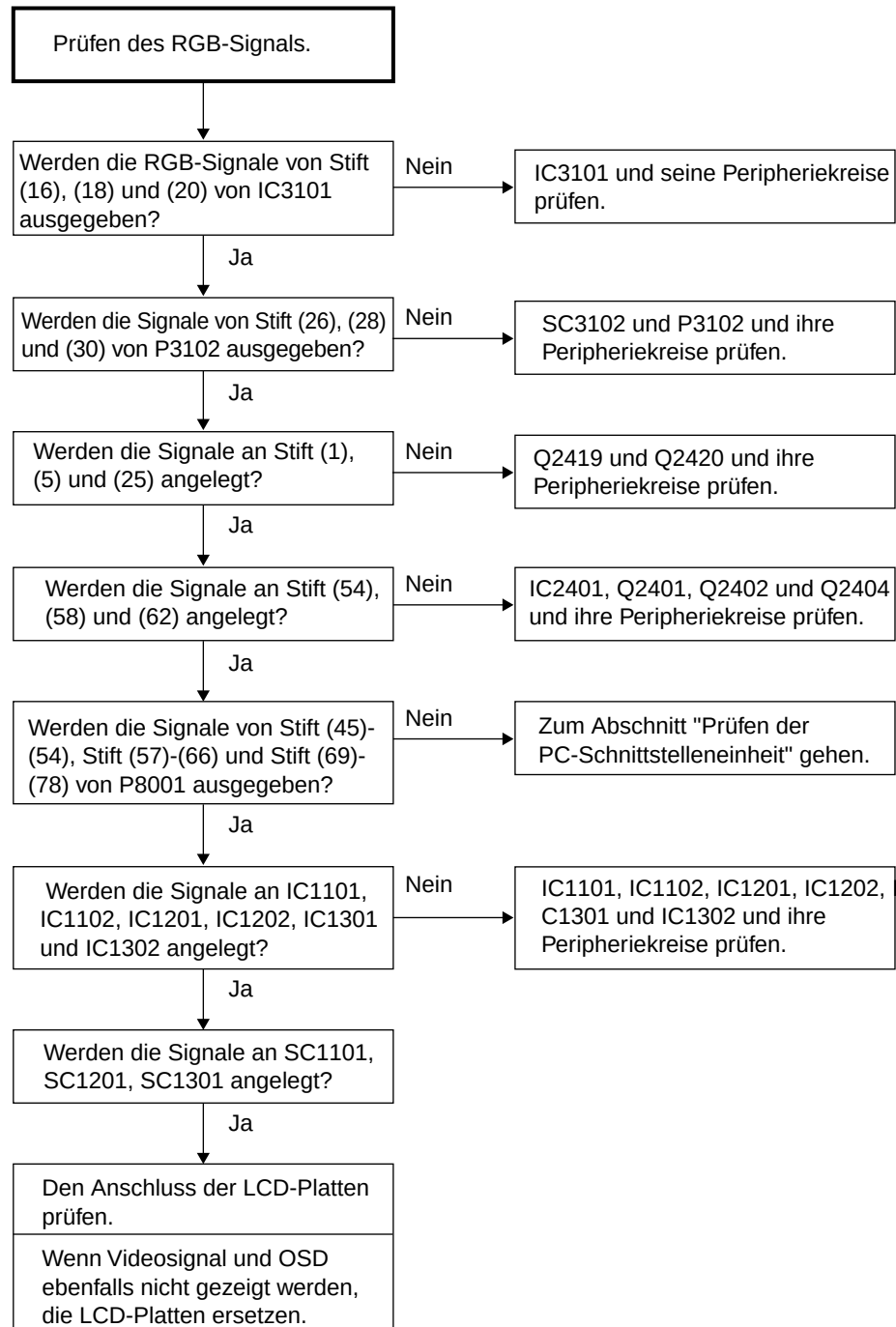
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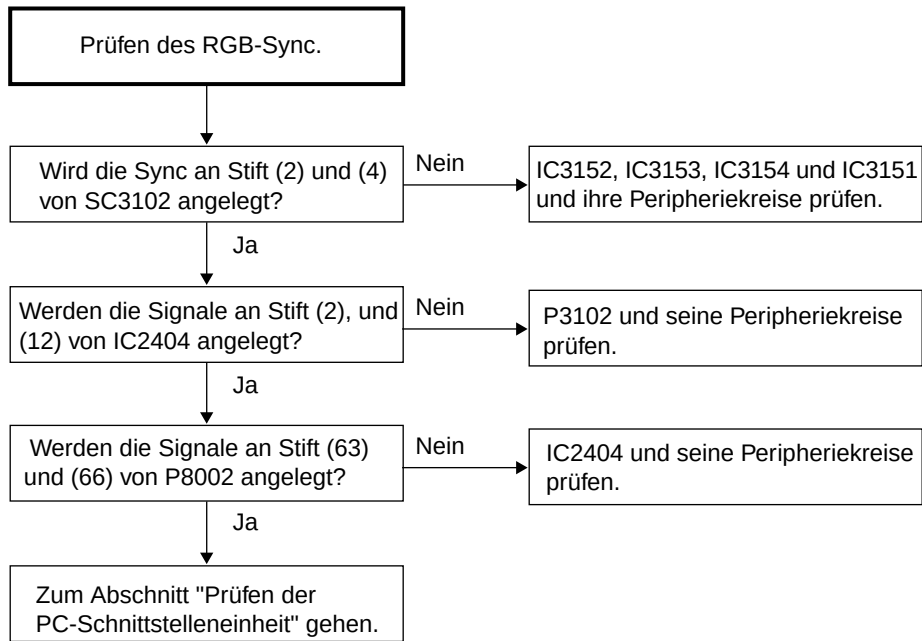
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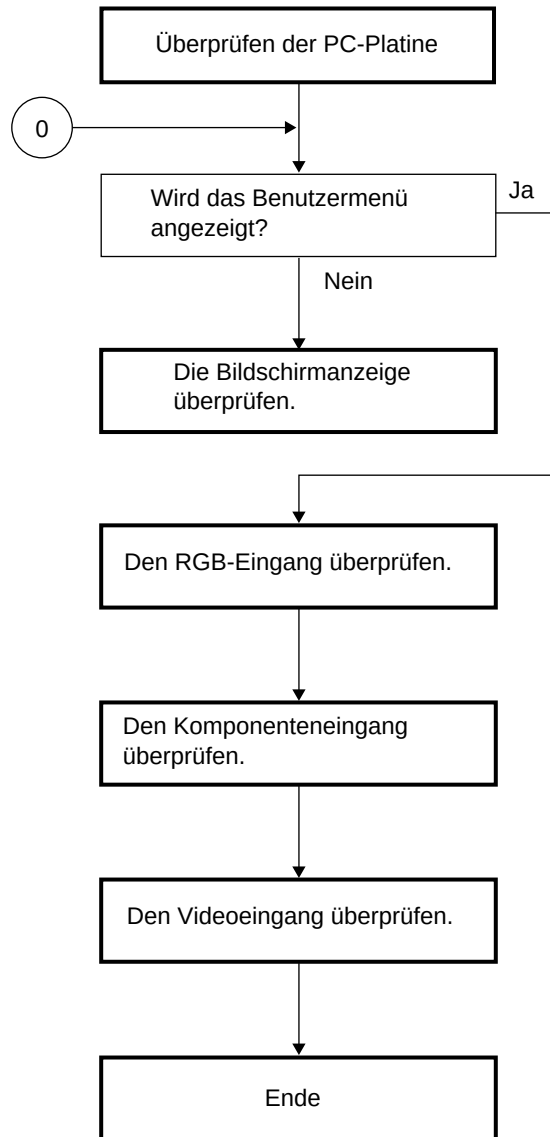
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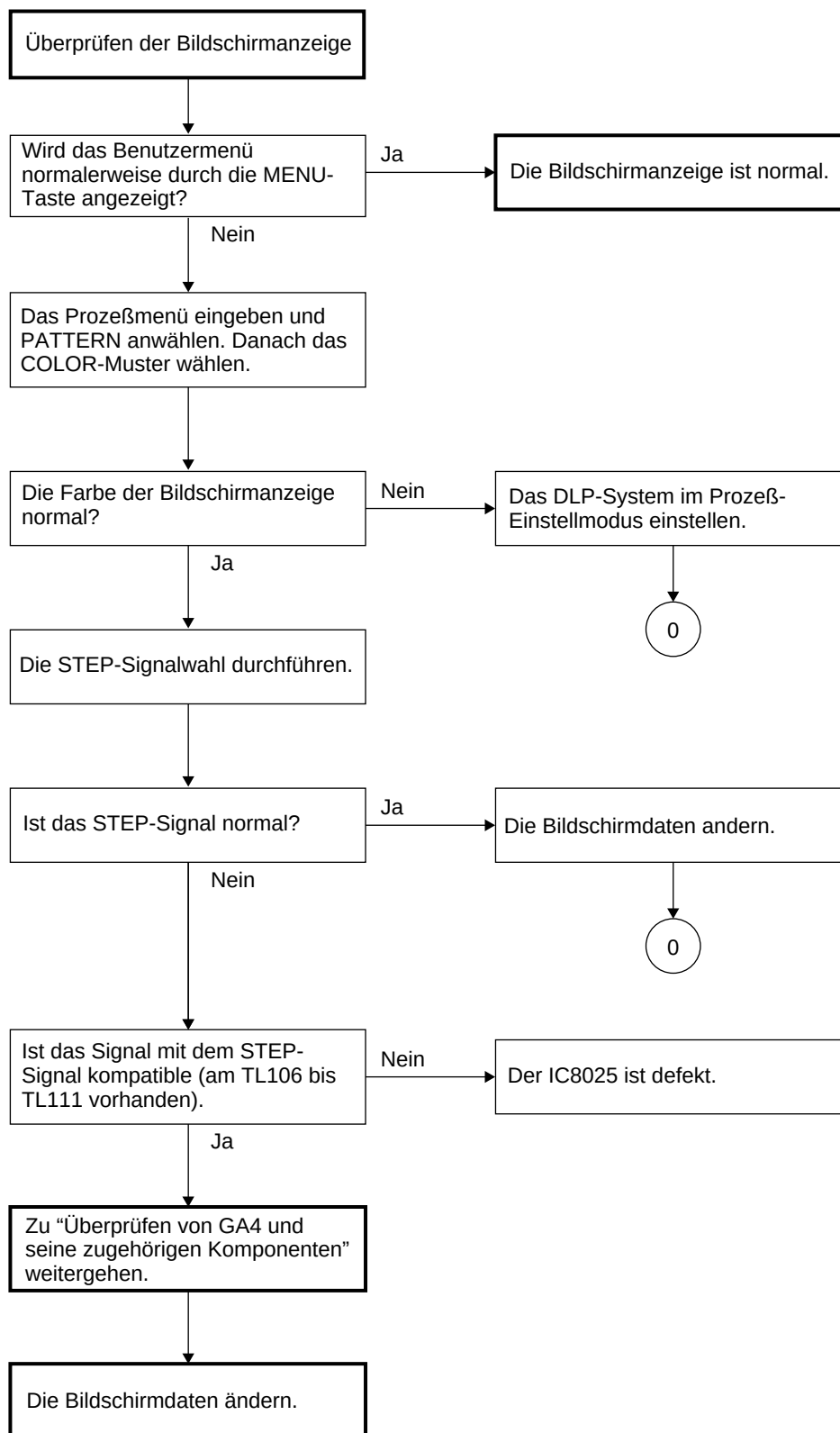
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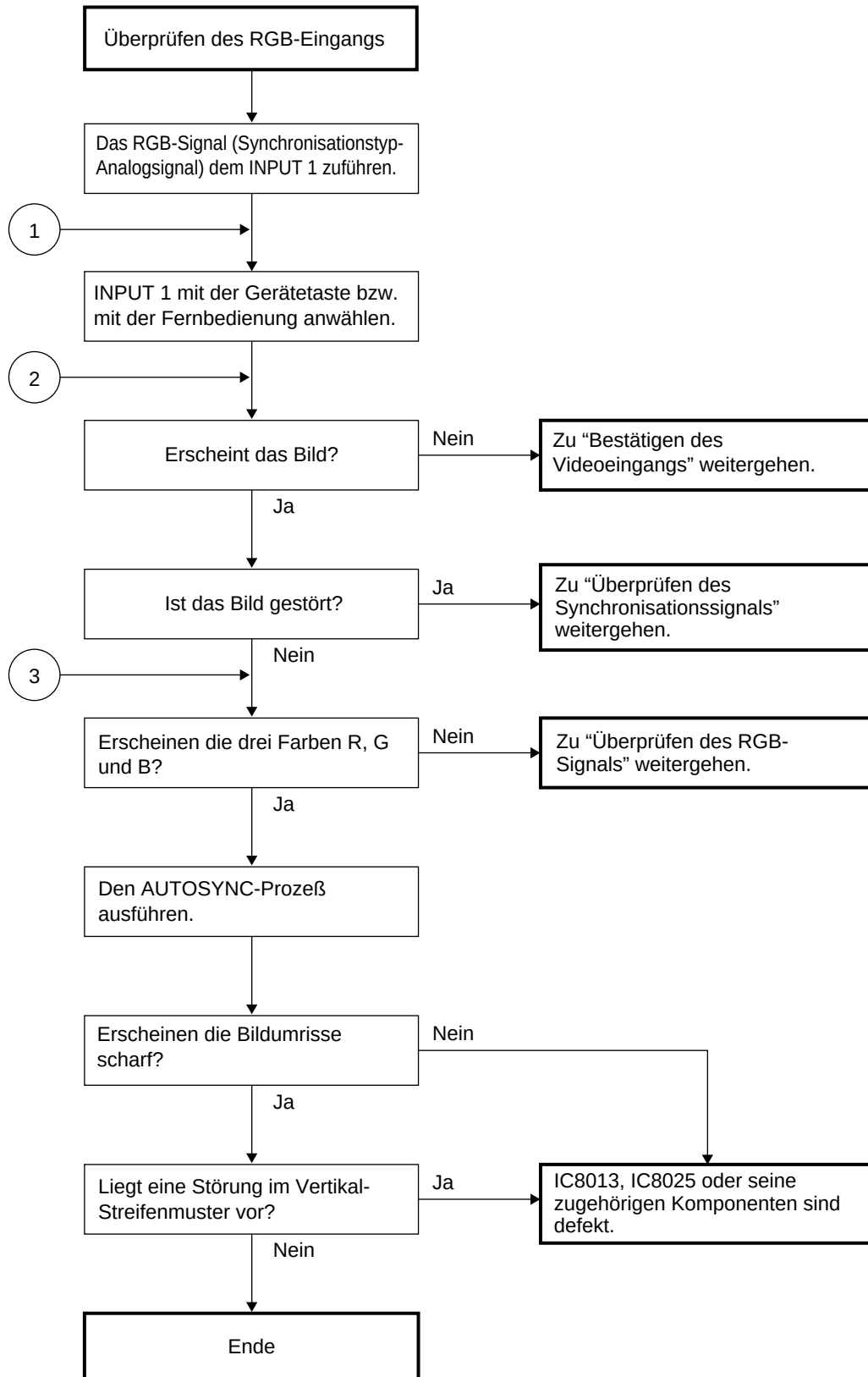
FEHLERSUCHTABELLE für PC I/F EINHEIT



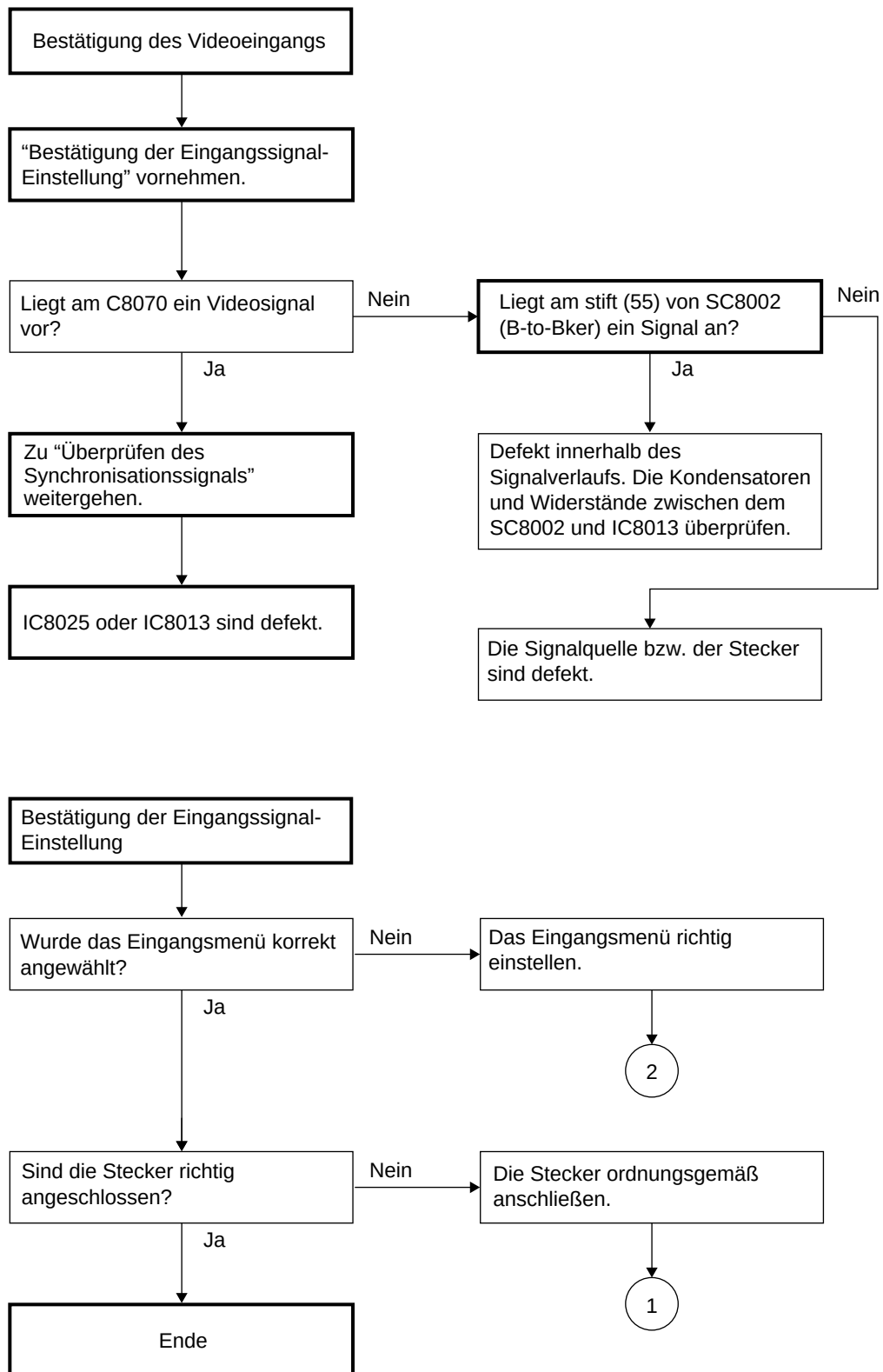
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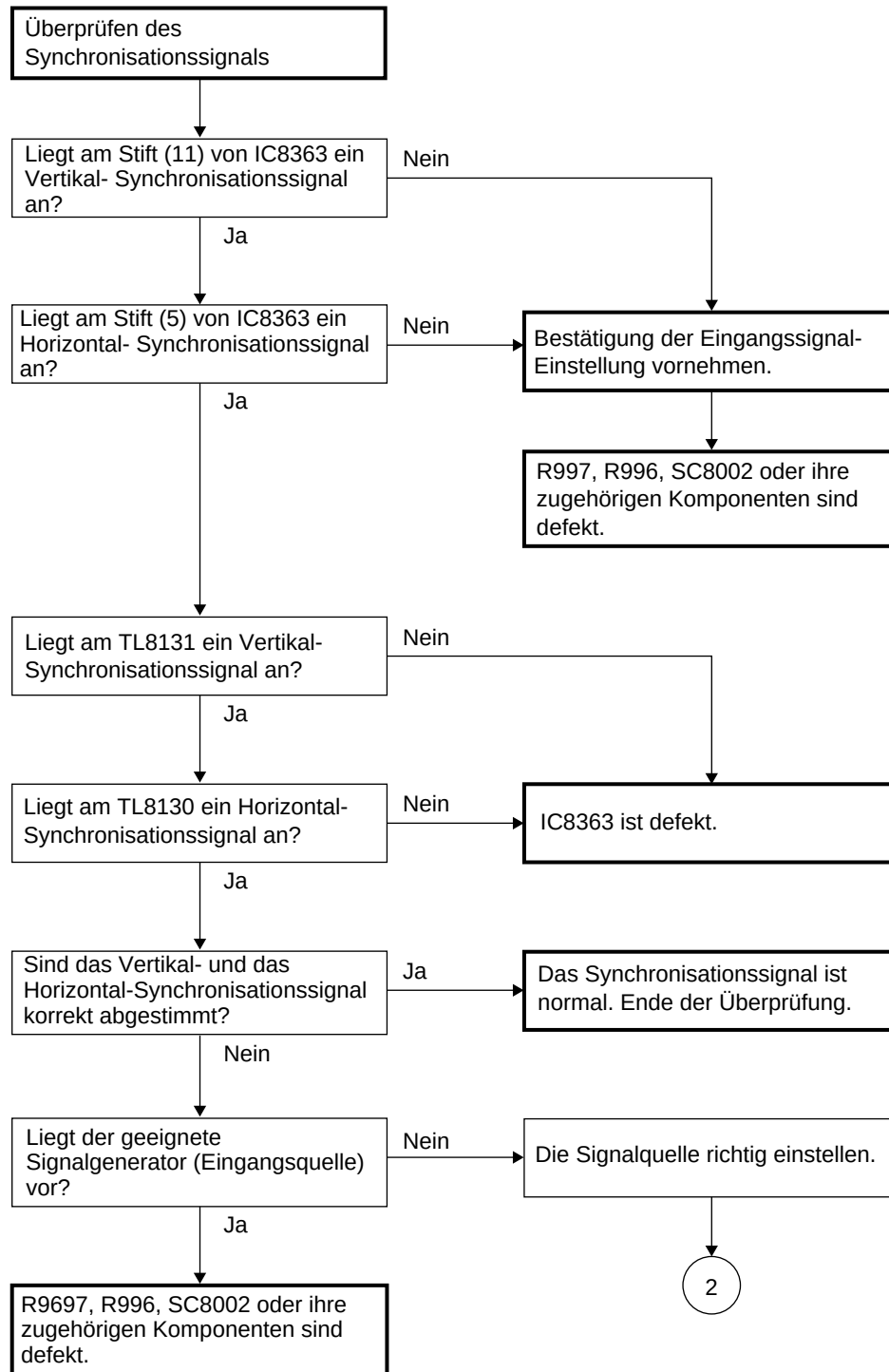
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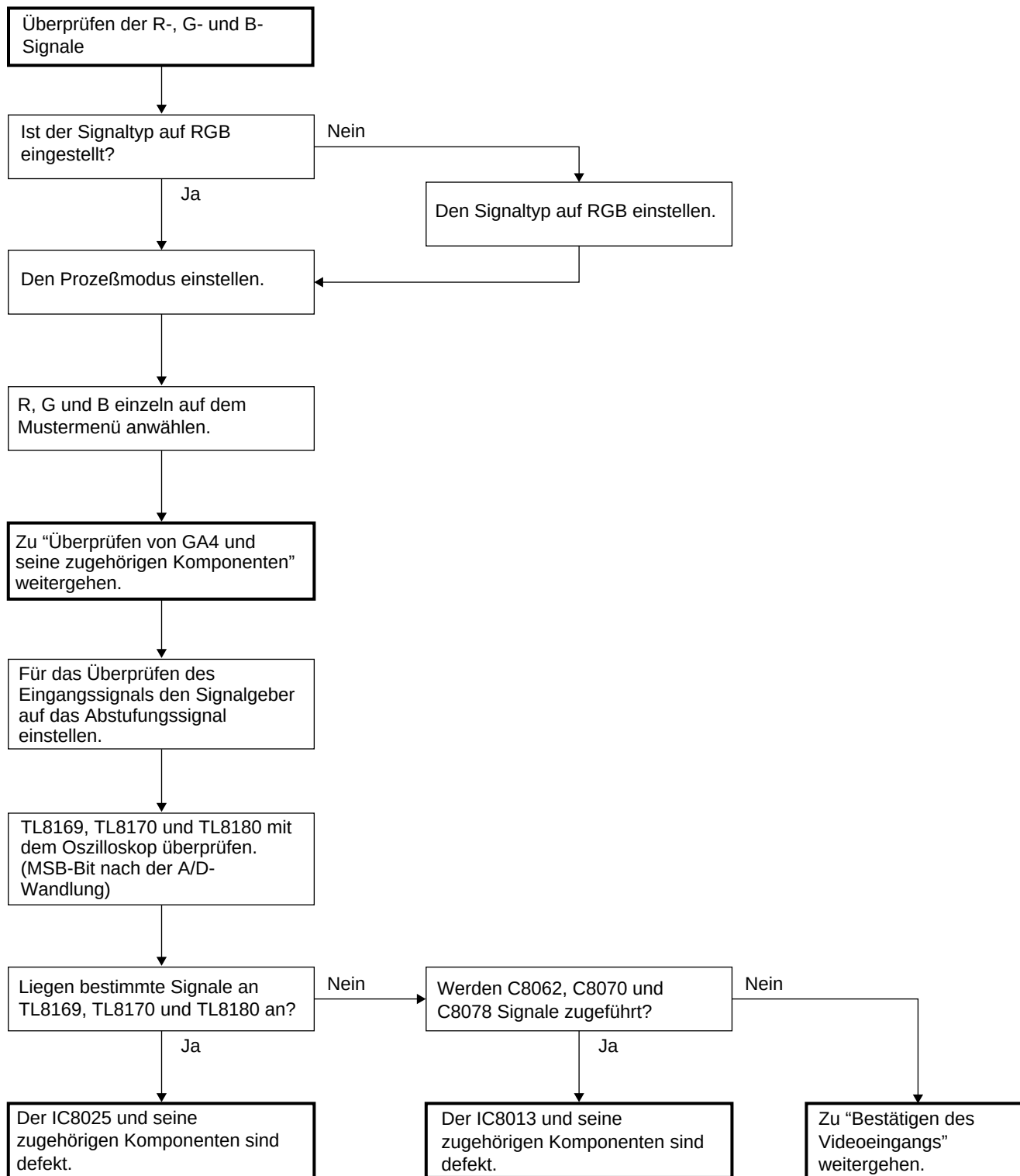
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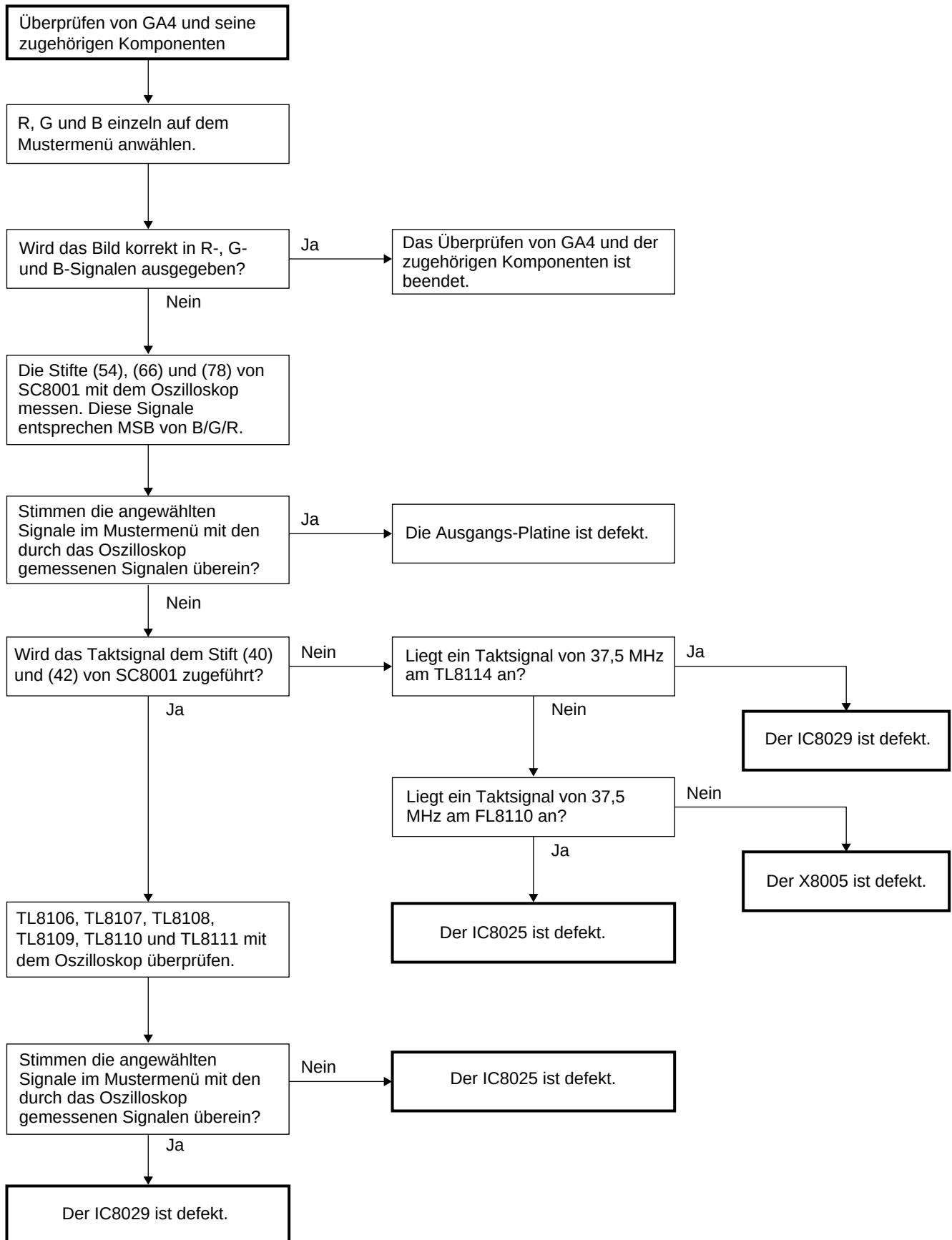
FEHLERSUCHTABELLE für PC I/F EINHEIT (Fortsetzung)



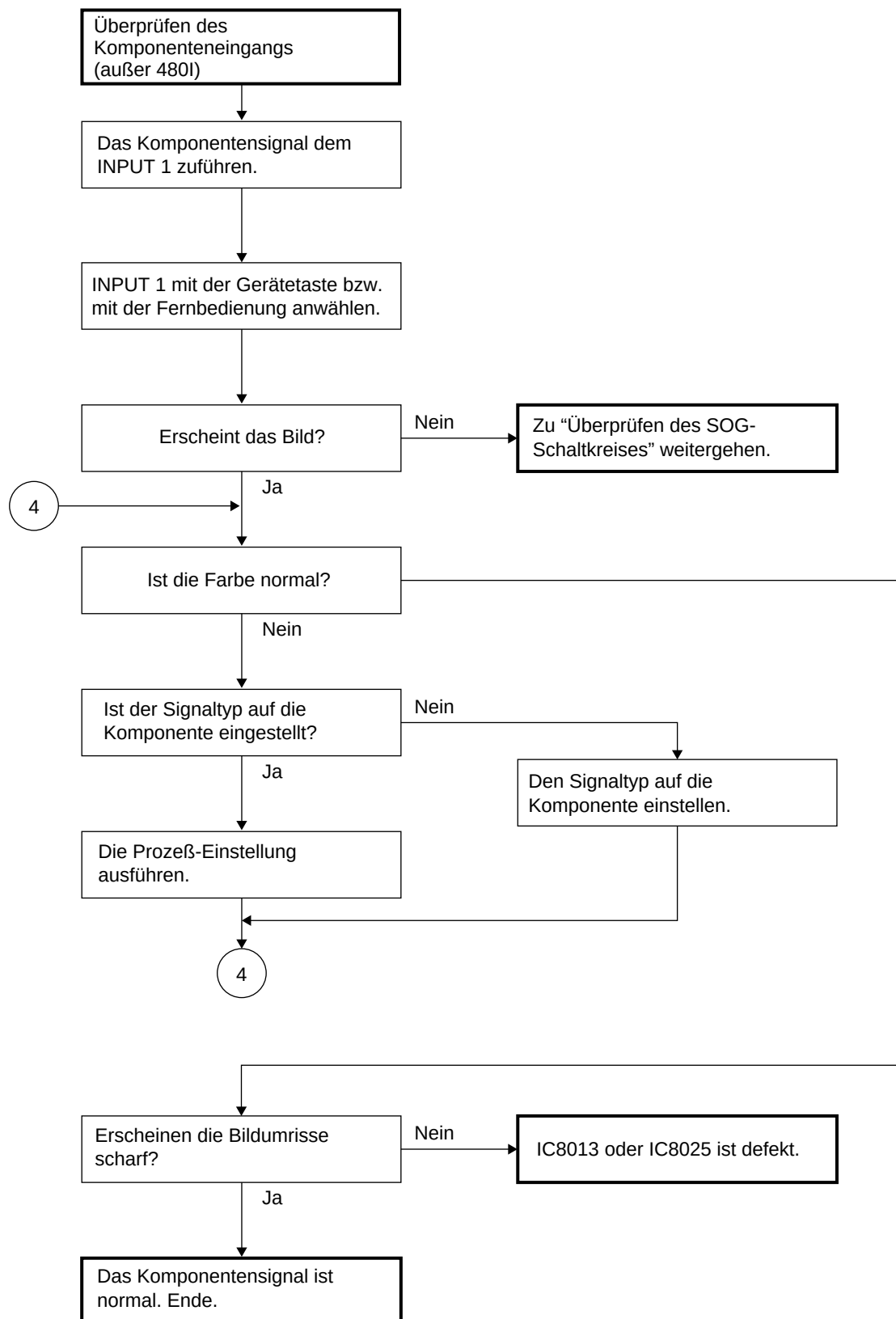
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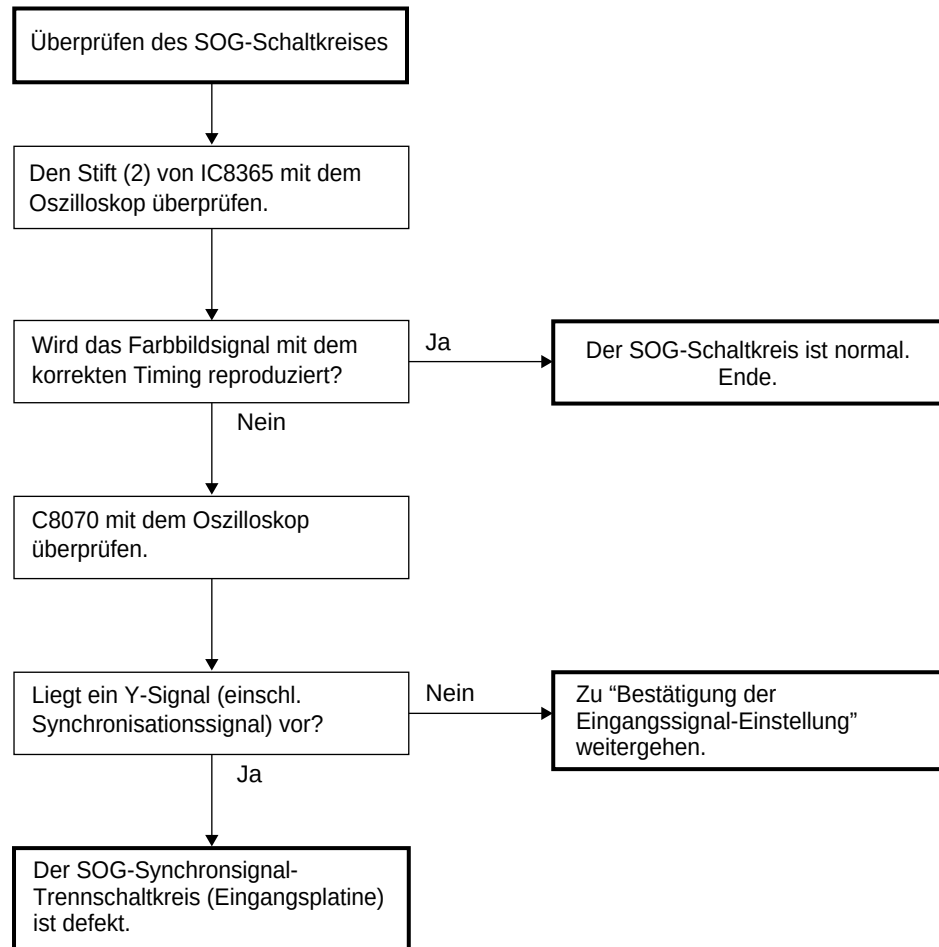


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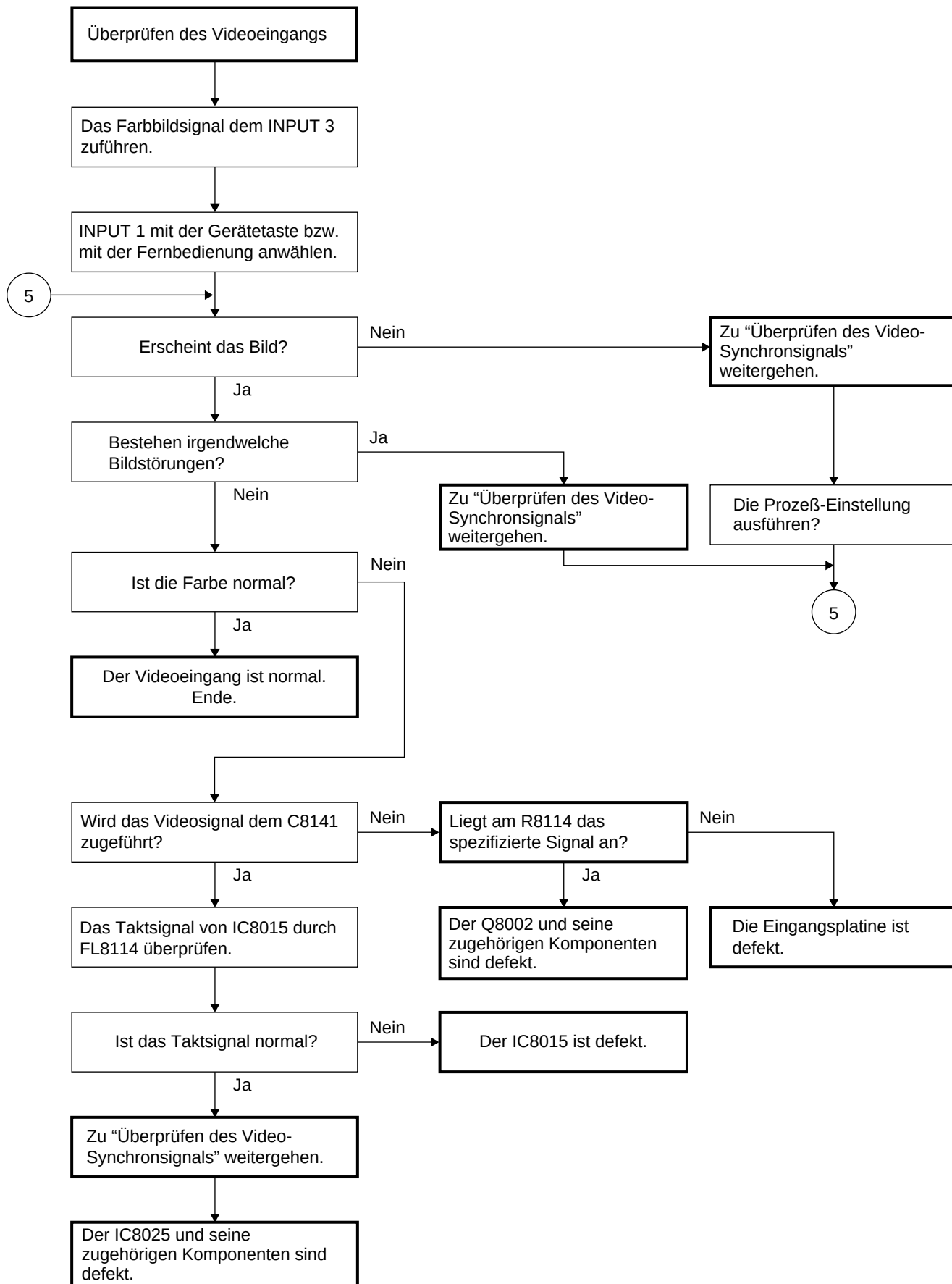


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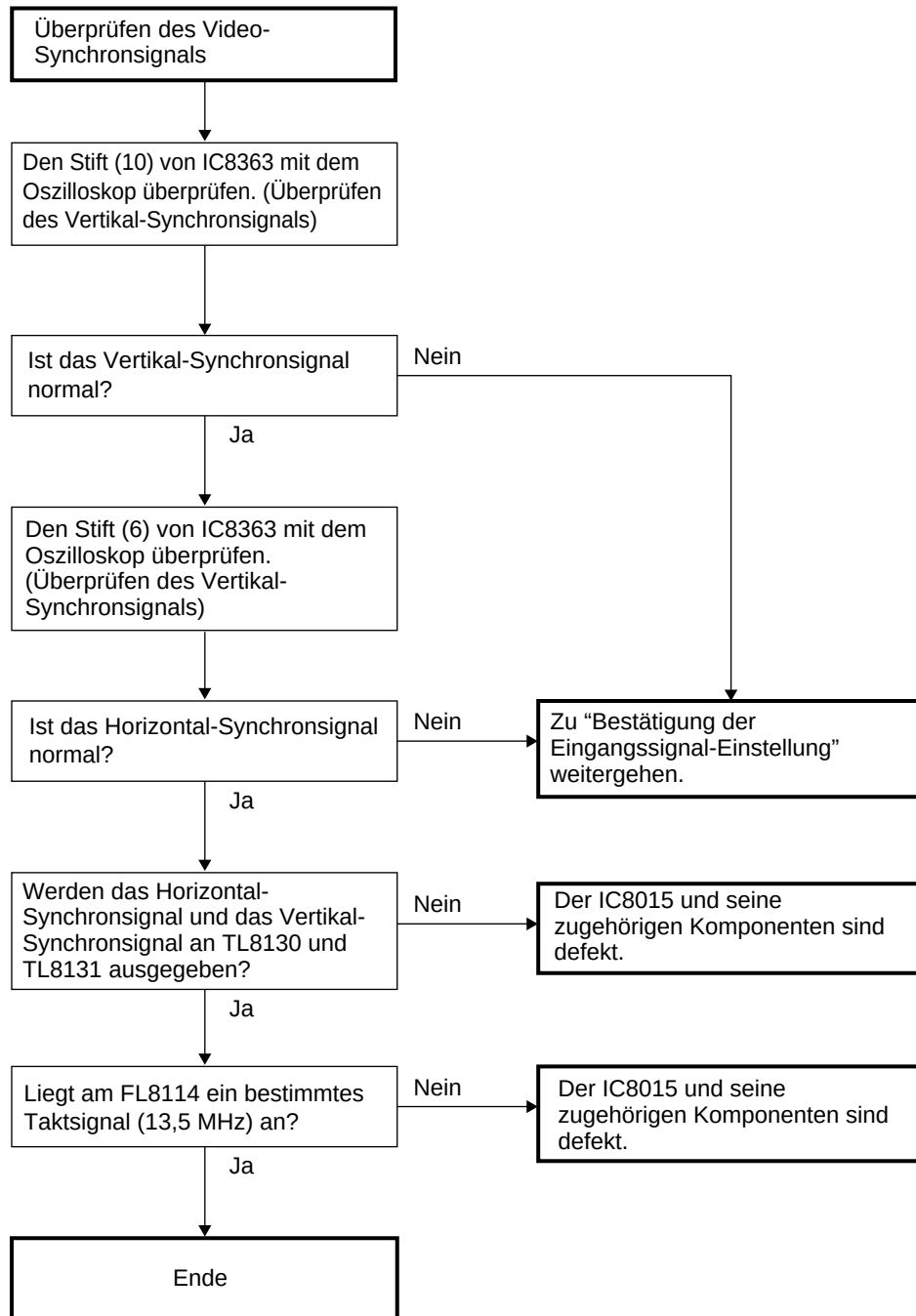


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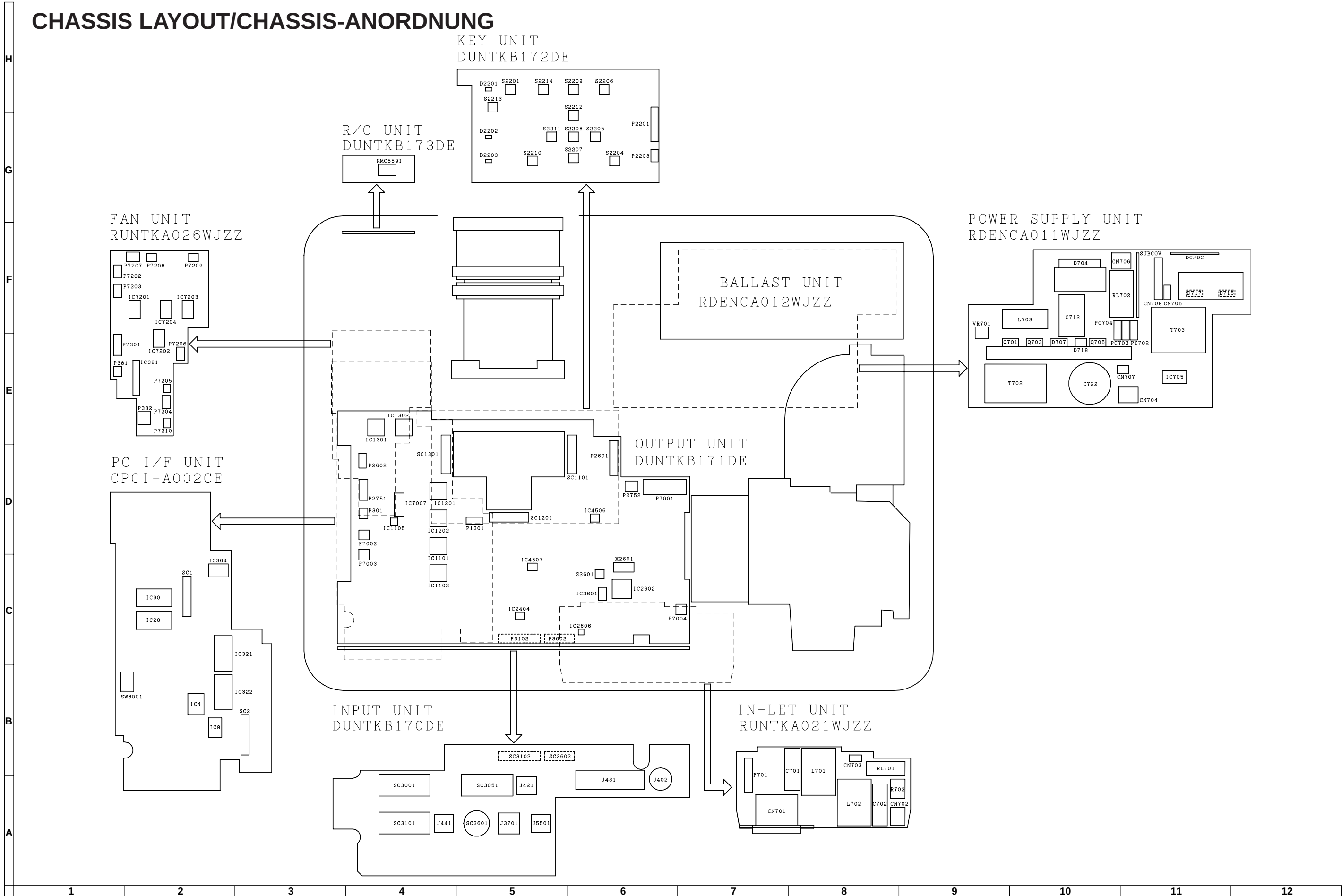
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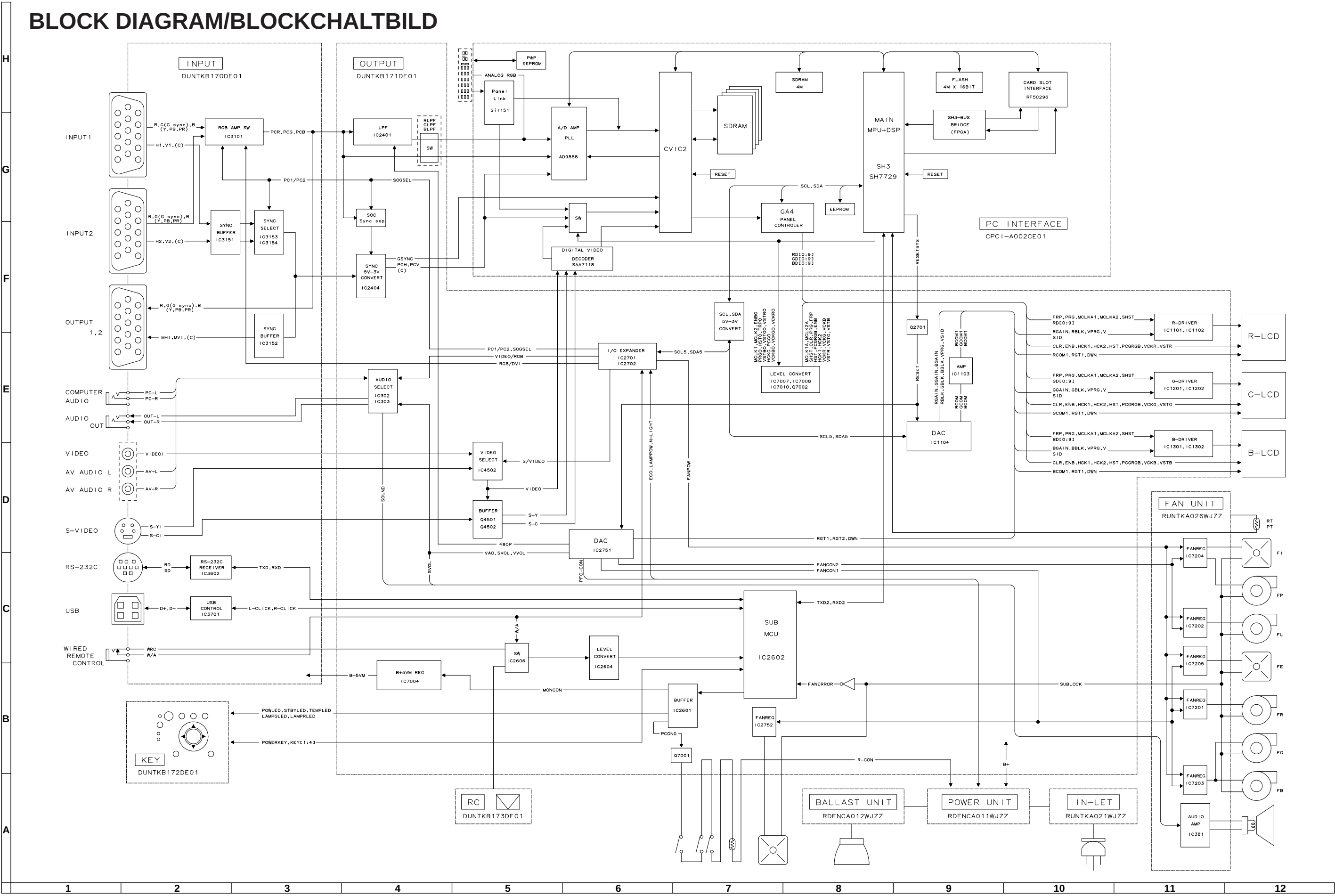


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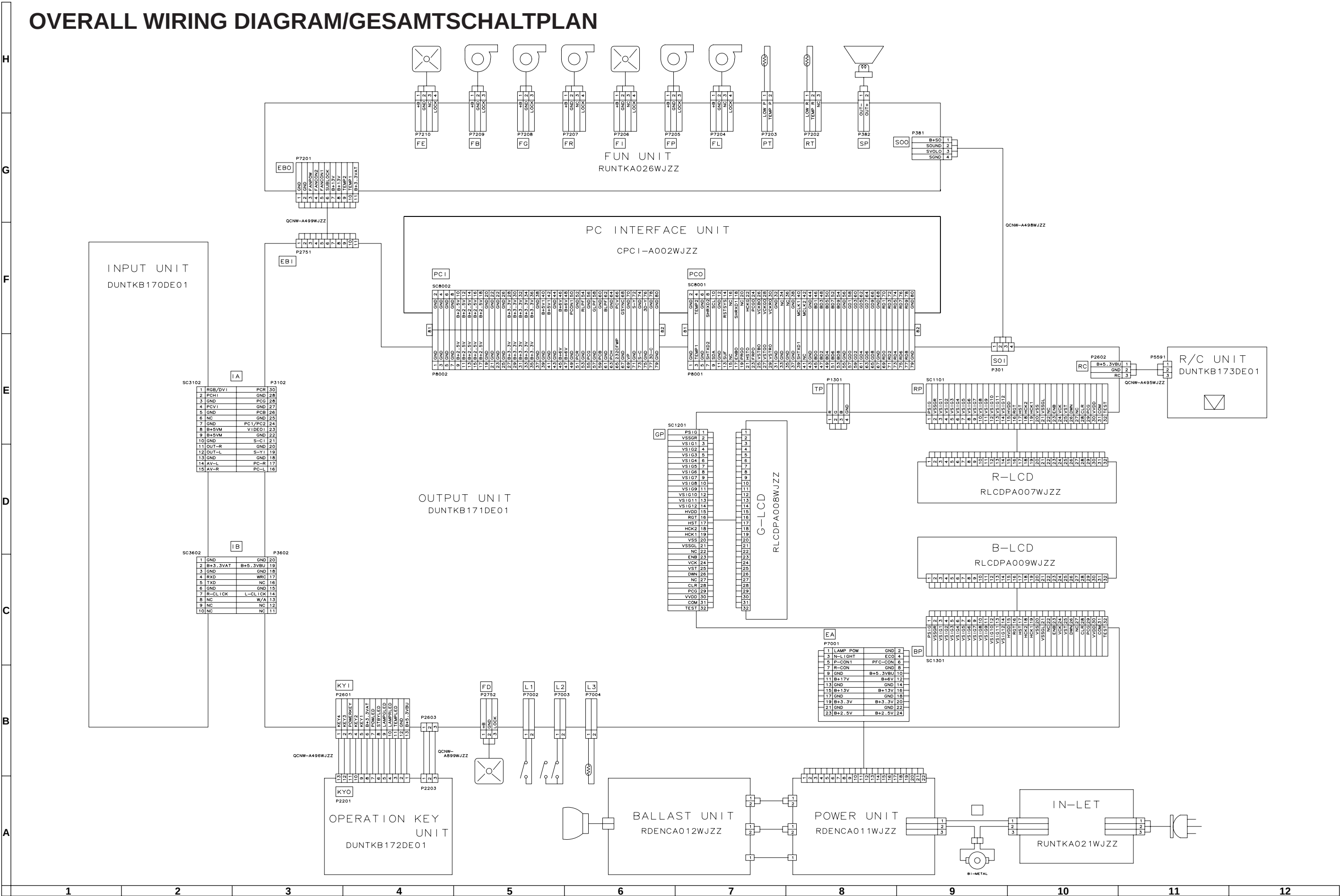


CHASSIS LAYOUT/CHASSIS-ANORDNUNG





A	
B	
C	
D	
E	
F	
G	
H	



DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. Waveforms at test points are observed at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.

©: Solid Ⓢ: Cement
 Ⓢ: Oxide Film Ⓢ: Special
 Ⓢ: Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted. (P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.

(ML): Mylar (TA): Tantalum
 (PF): Polypro Film (ST): Styrol

CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:

1. **DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.**
2. **SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.**

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH " ⚠ () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

SPANNUNGSMESSUNGEN:

1. Spannungen an den Prüfpunkten werden bei einer Netzspannung von 230V gemessen, Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt, und Spannungen werden mit einem Meßinstrument (20 kΩ/V) ermittelt.

SIGNALFORMMESSUNGEN:

1. Die Wellenformen an den Testpunkten werden bei einer Netzspannung von 230V verfolgt. Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt.

BEZEICHNUNG DES WIDERSTANDS UND KONDENSATORS:

WIDERSTAND

1. Die Widerstandseinheit "Ω" wird weggelassen. (K=kΩ=1000 Ω, M=MΩ).
2. Alle Widerstände haben ± 5%, sofern nicht anders angegeben. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. Alle Widerstände haben 1/16W, sofern nicht anders angegeben.
4. Alle Widerstände sind Kohletyp, sofern nicht anders angegeben.

©: Fest Ⓢ: Zement
 Ⓢ: Oxidefilm Ⓢ: Spezial
 Ⓢ: Metallüberzug

KONDENSATOR

1. Die Kapazitätseinheit ist μF, sofern nicht anders angegeben. (P=pF=μμF).
2. Alle Kondensatoren haben 50V, sofern nicht anders angegeben.
3. Alle Kondensatoren sind Keramiktyp, sofern nicht anders angegeben.

(ML): Mylar (TA): Tantal
 (PF): Polyprofil (ST): Styrol

ACHTUNG:

bei diesem Schaltplan handelt es sich um den ursprünglichen. Es können daher geringfügige Unterschiede zu dem Ihrem bestehen.

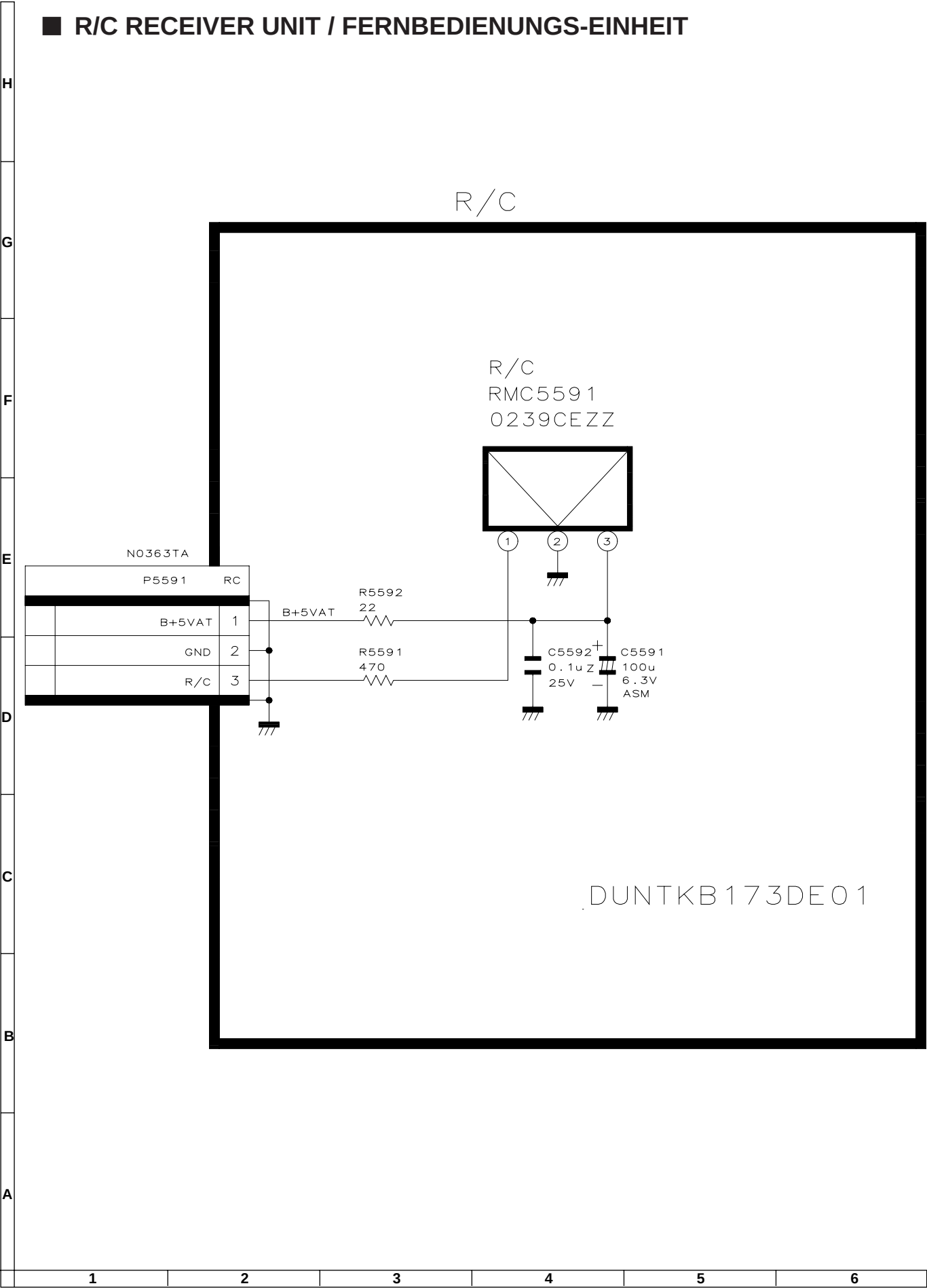
SICHERHEITSANMERKUNGEN:

1. **VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.**
2. **DIE WARMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRLICHEN ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.**

WICHTIGE SICHERHEITSANMERKUNGEN:

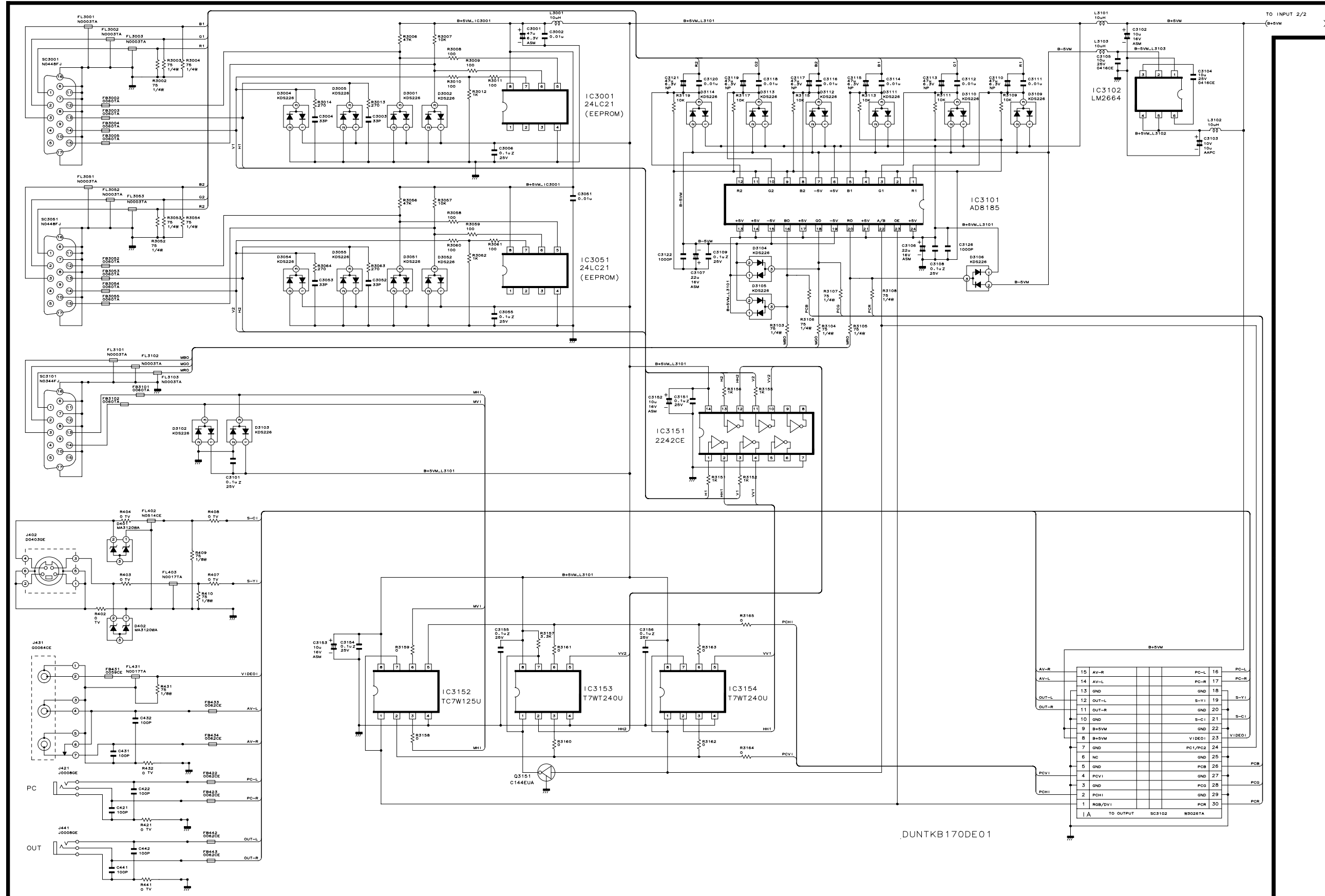
MIT " ⚠ () BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT . BEIM WECHSELN DIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.

■ R/C RECEIVER UNIT / FERNBEDIENUNGS-EINHEIT



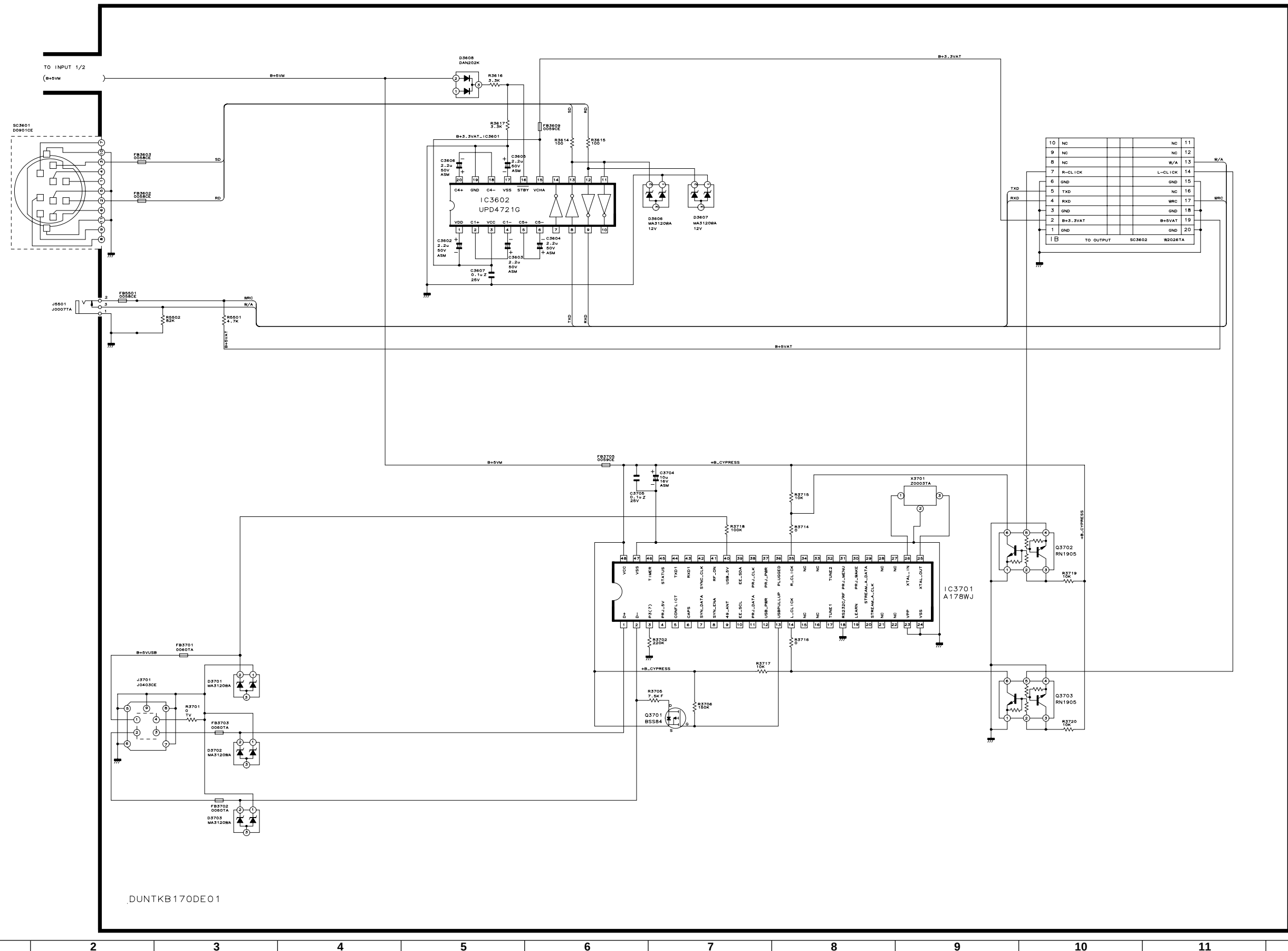
■ INPUT UNIT-1/2 / EINGANGS EINHEIT-1/2

INPUT (1/2)



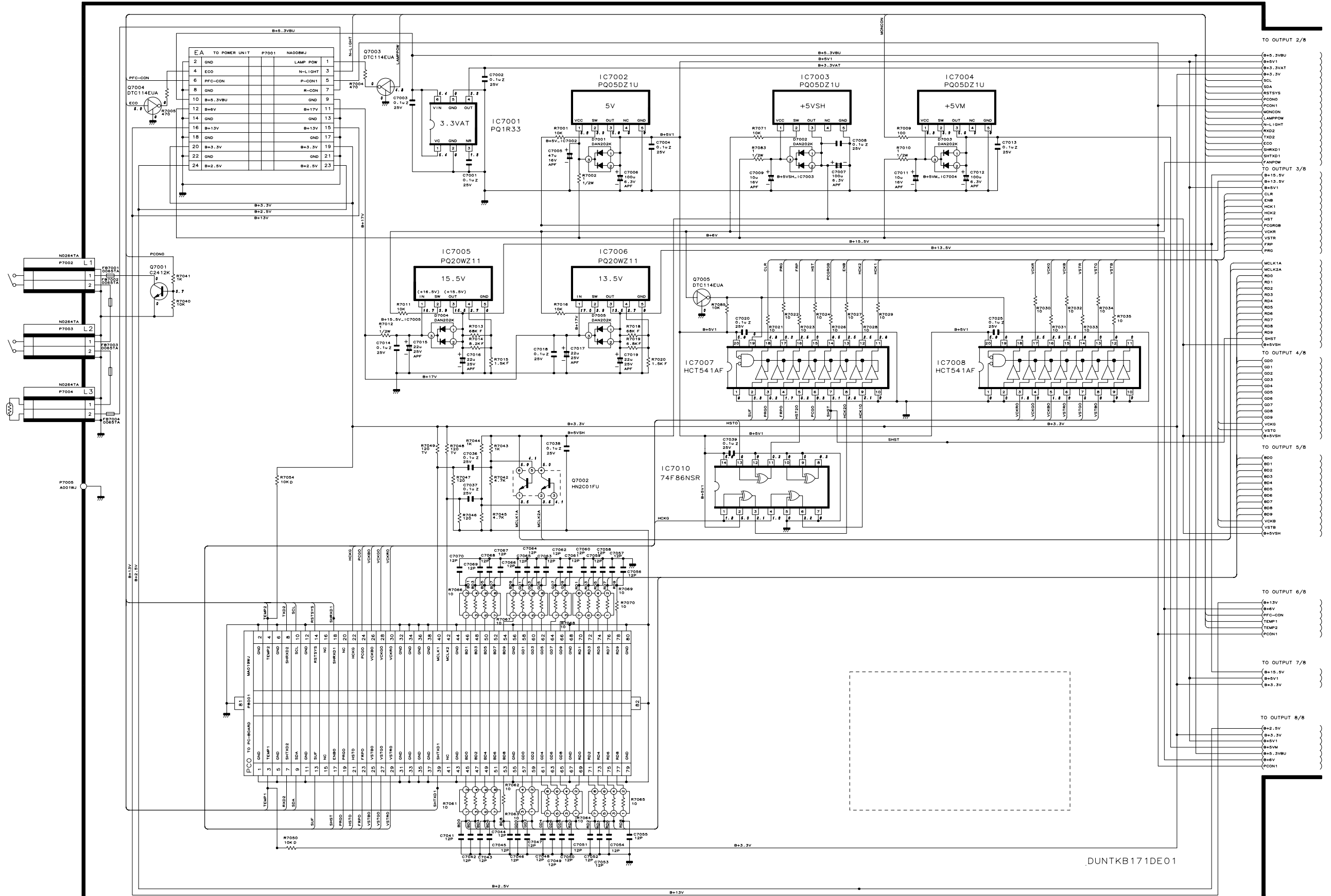
■ INPUT UNIT-2/2 / EINGANGS EINHEIT-2/2

INPUT (2/2)



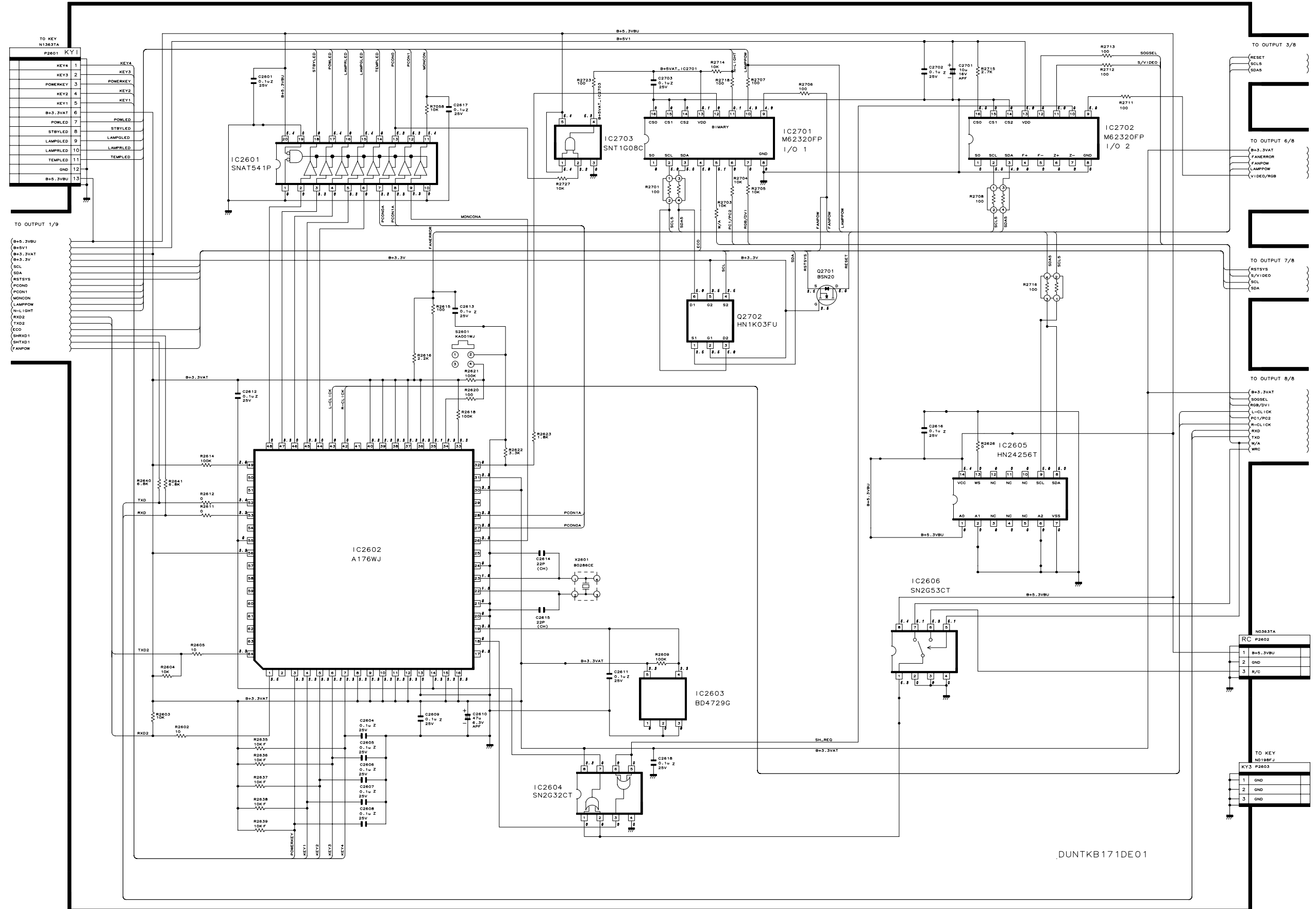
OUTPUT UNIT-1/8 / AUSGANGSEINHEIT-1/8

OUTPUT (1/8)



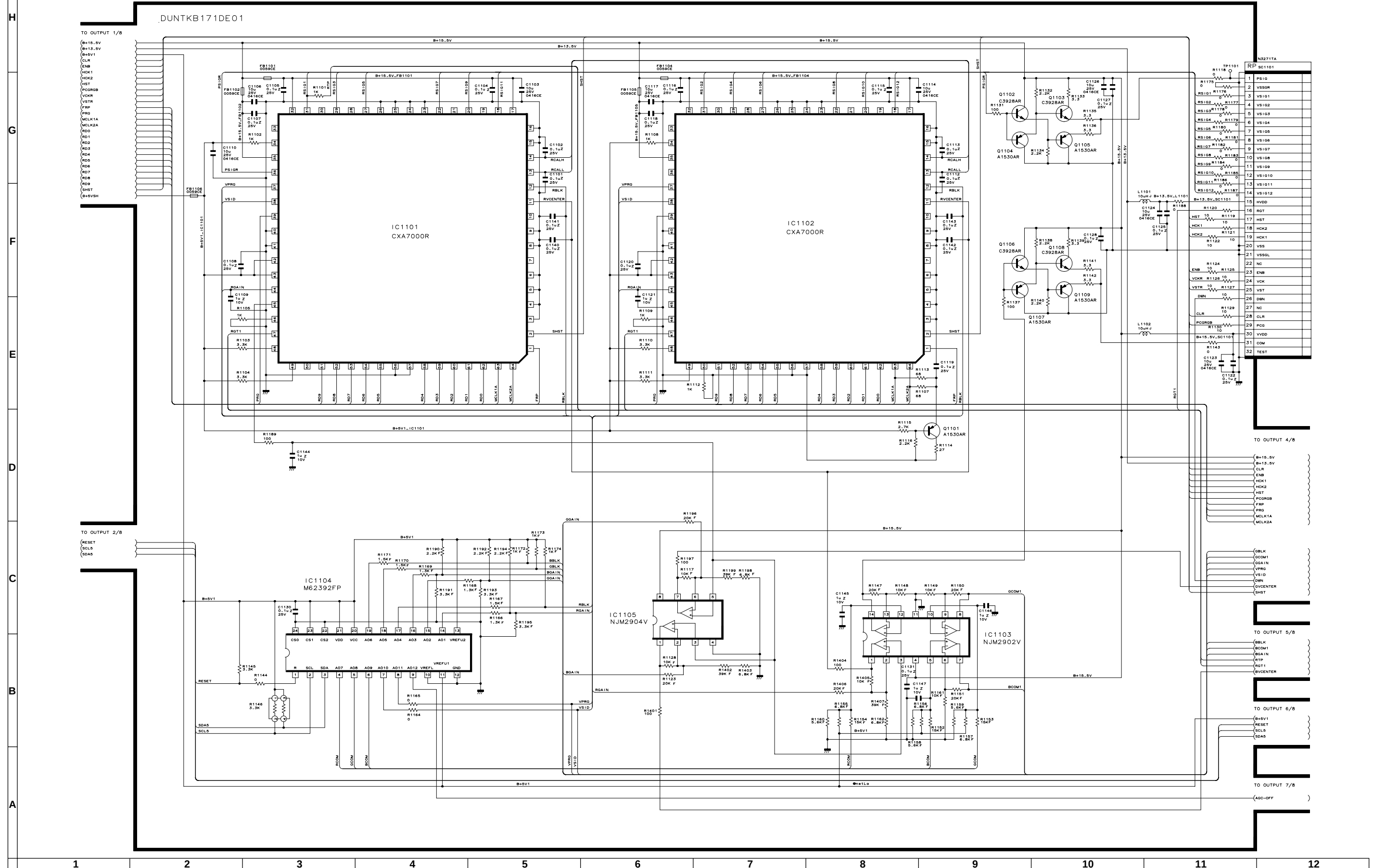
■ OUTPUT UNIT-2/8 / AUSGANGSEINHEIT-2/8

OUTPUT (2/8)



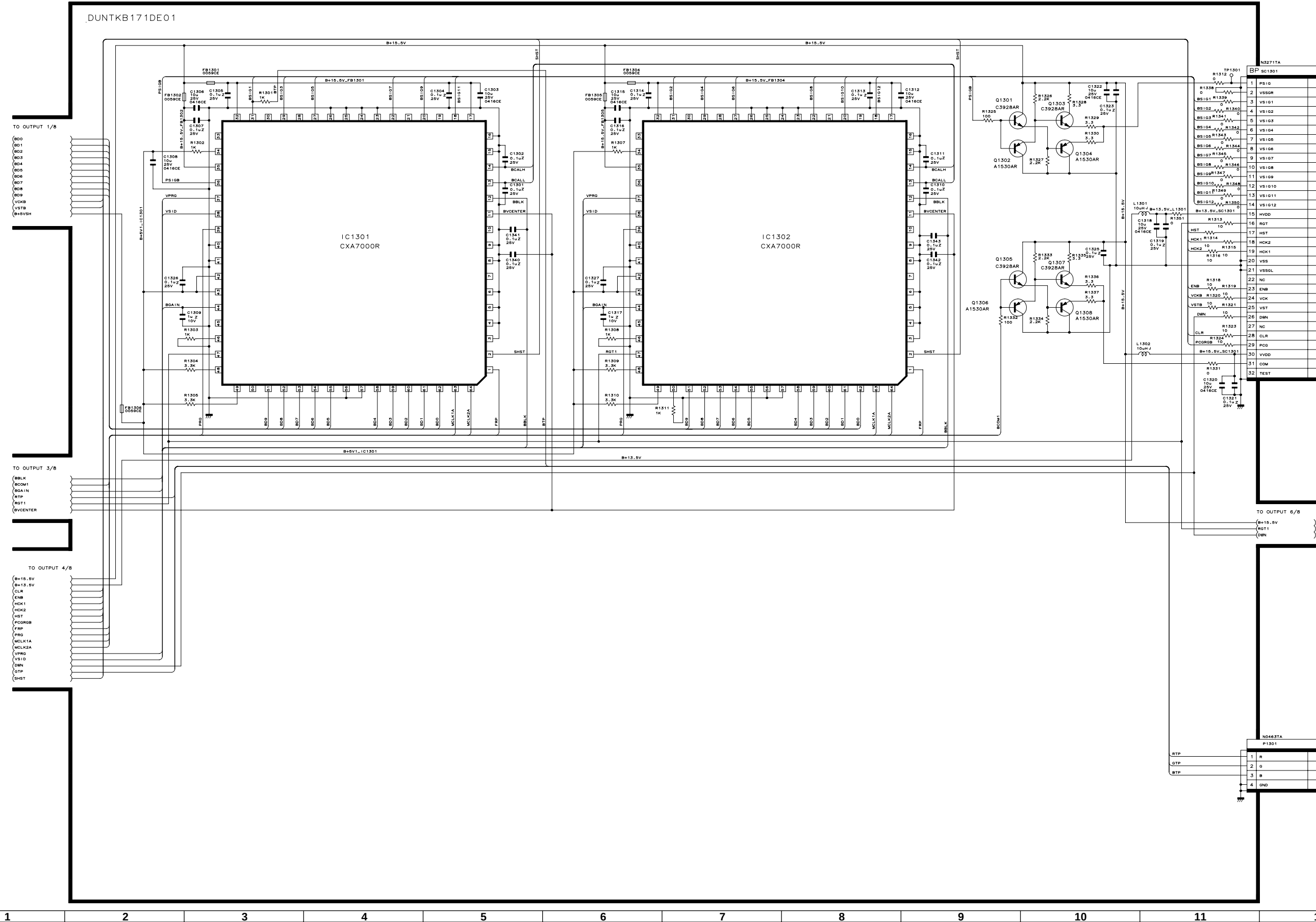
■ OUTPUT UNIT-3/8 / AUSGANGSEINHEIT-3/8

OUTPUT (3/8)



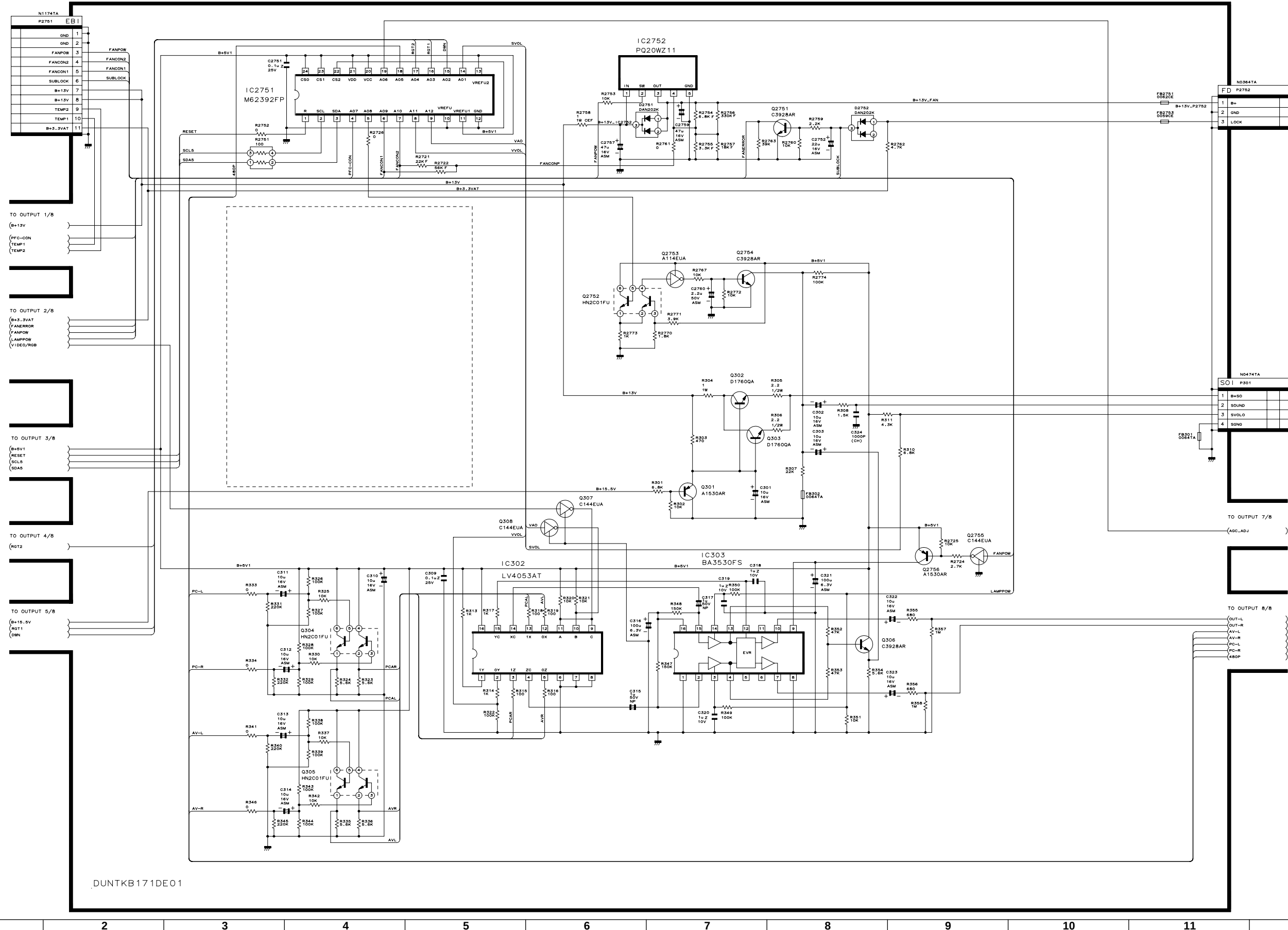
OUTPUT UNIT-5/8 / AUSGANGSEINHEIT-5/8

OUTPUT (5/8)



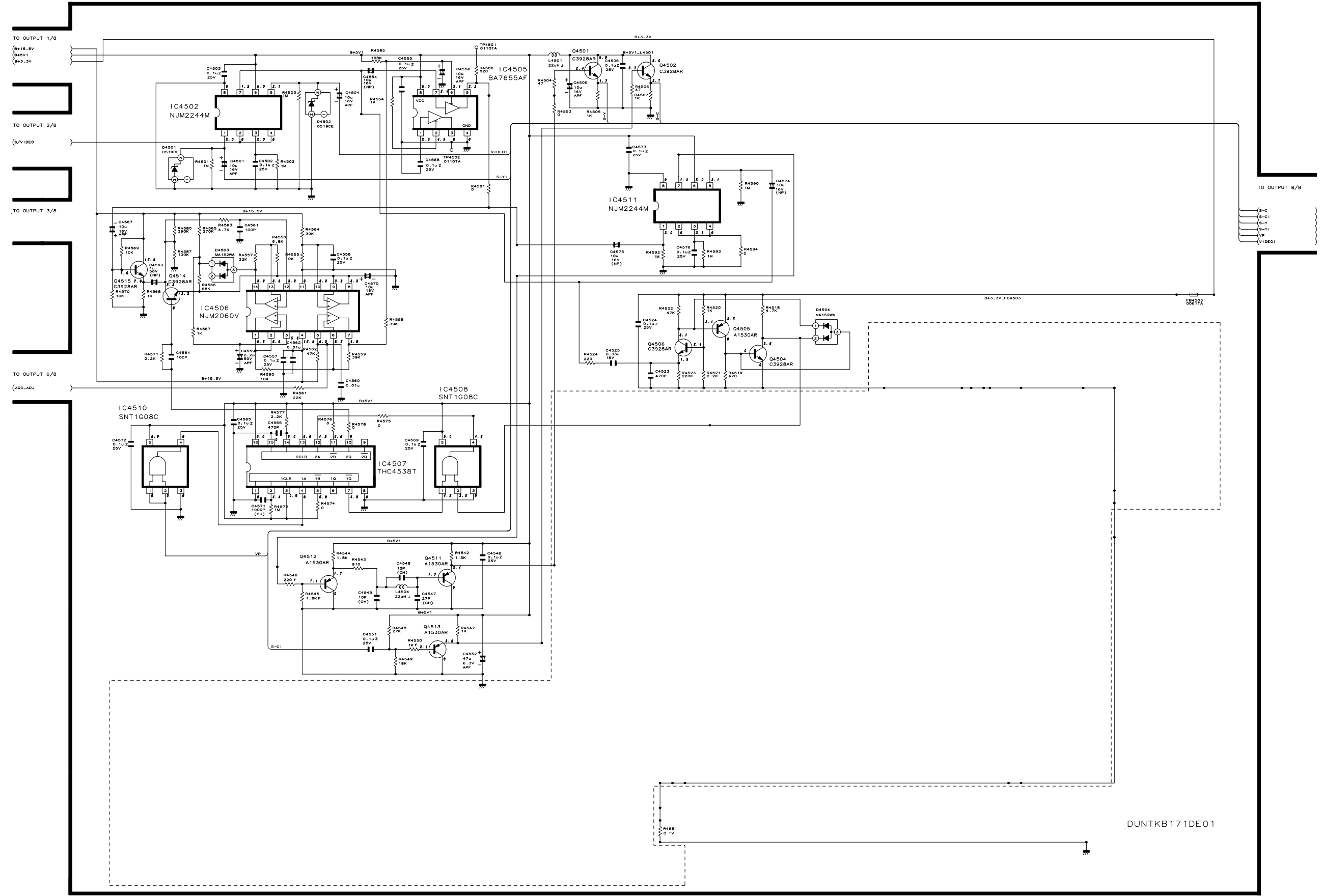
■ OUTPUT UNIT-6/8 / AUSGANGSEINHEIT-6/8

OUTPUT (6/8)



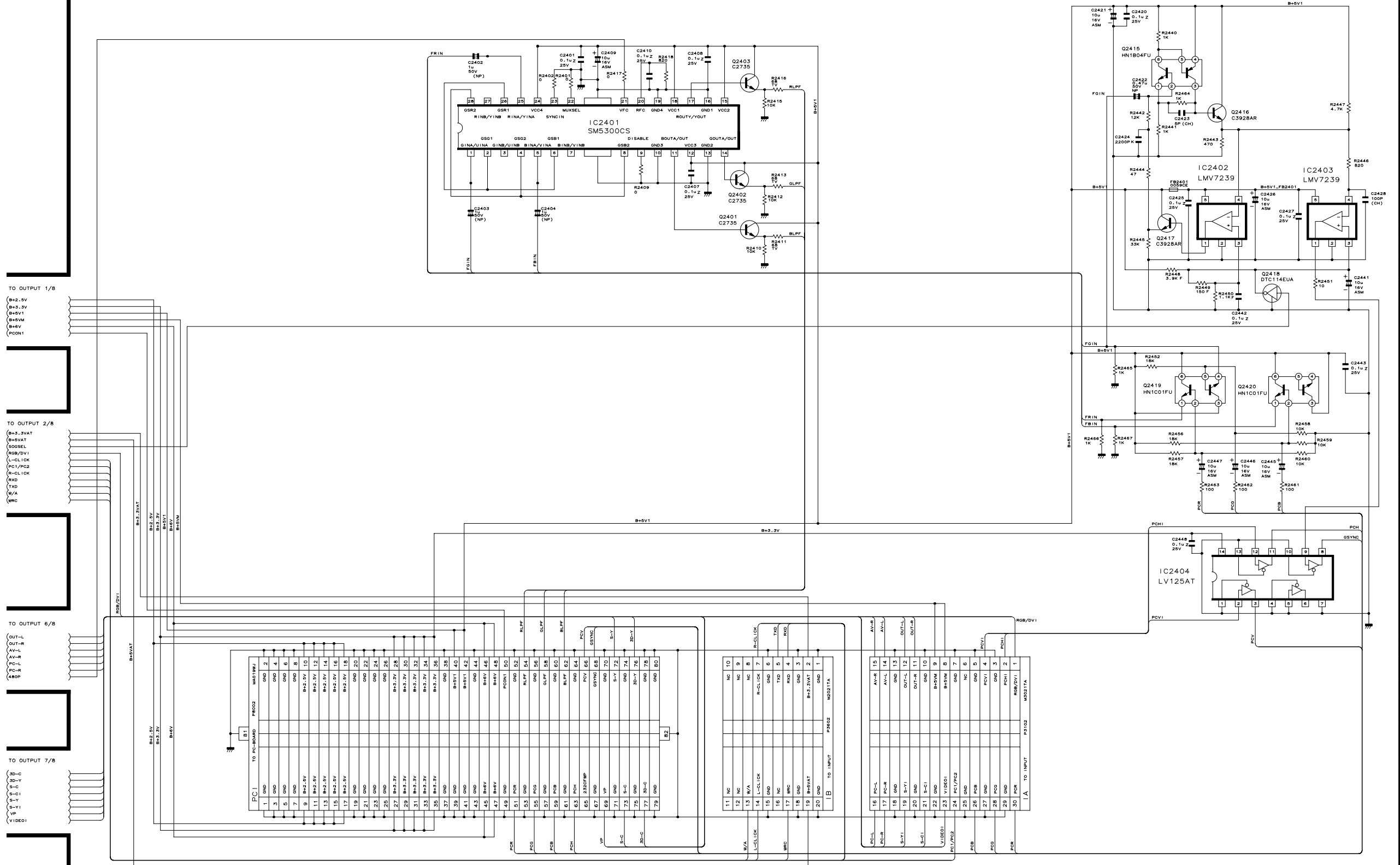
OUTPUT UNIT-7/8 / AUSGANGSEINHEIT-7/8

OUTPUT (7/8)



OUTPUT UNIT-8/8 / AUSGANGSEINHEIT-8/8

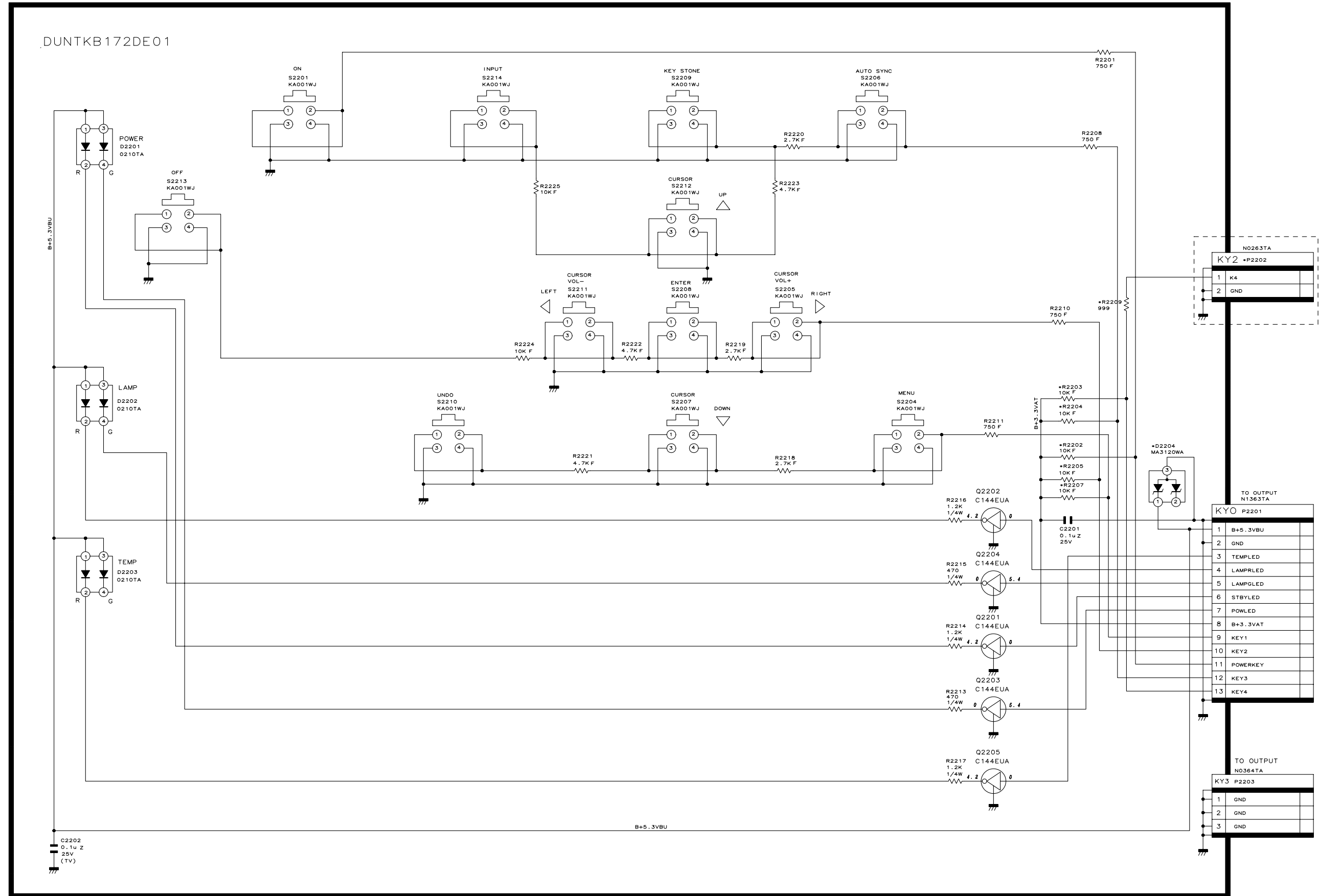
OUTPUT (8/8)



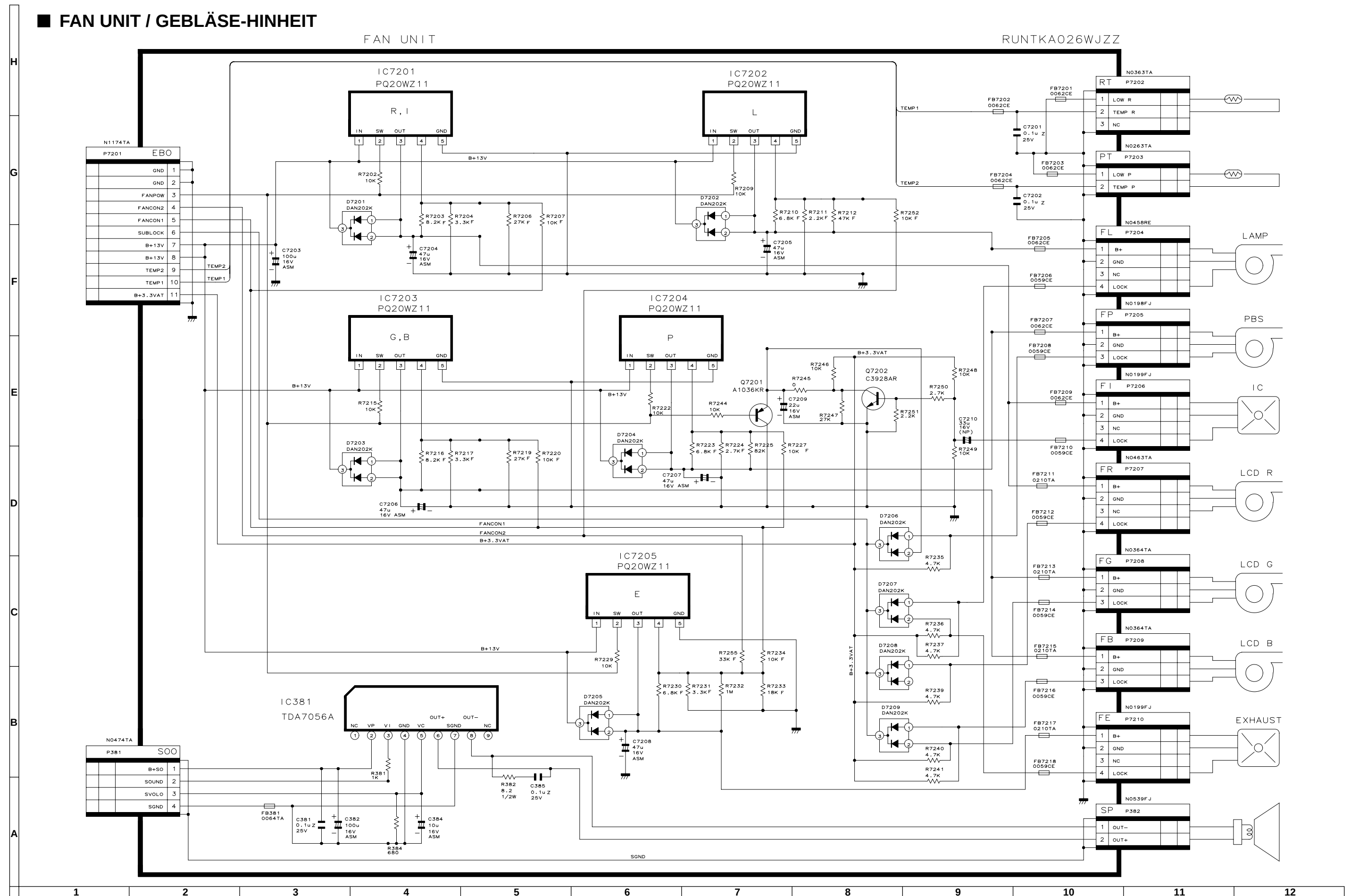
DUNTKB171DE01

■ KEY UNIT / SCHLÜSSELEINHEIT

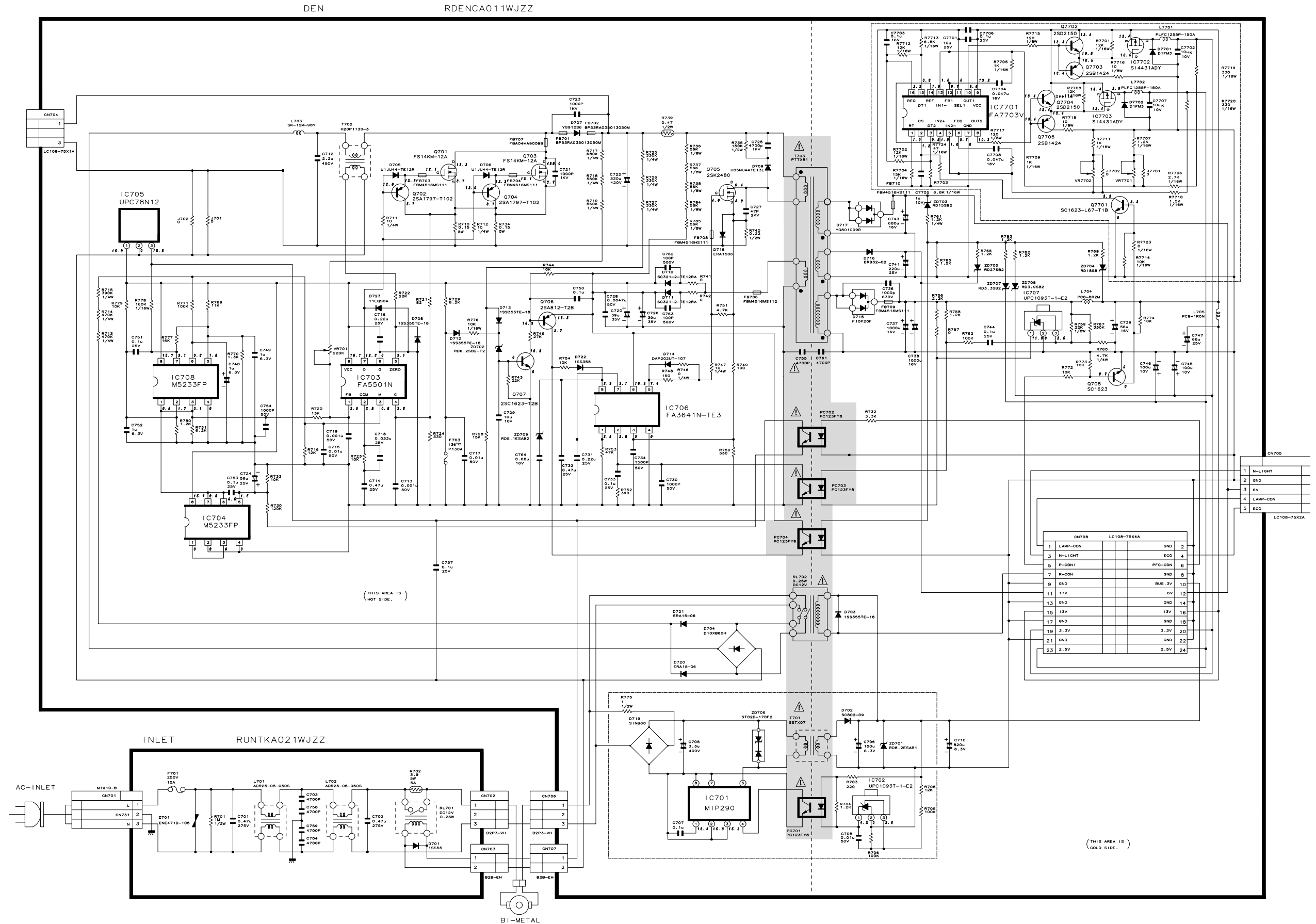
KEY



■ FAN UNIT / GEBLÄSE-HINHEIT

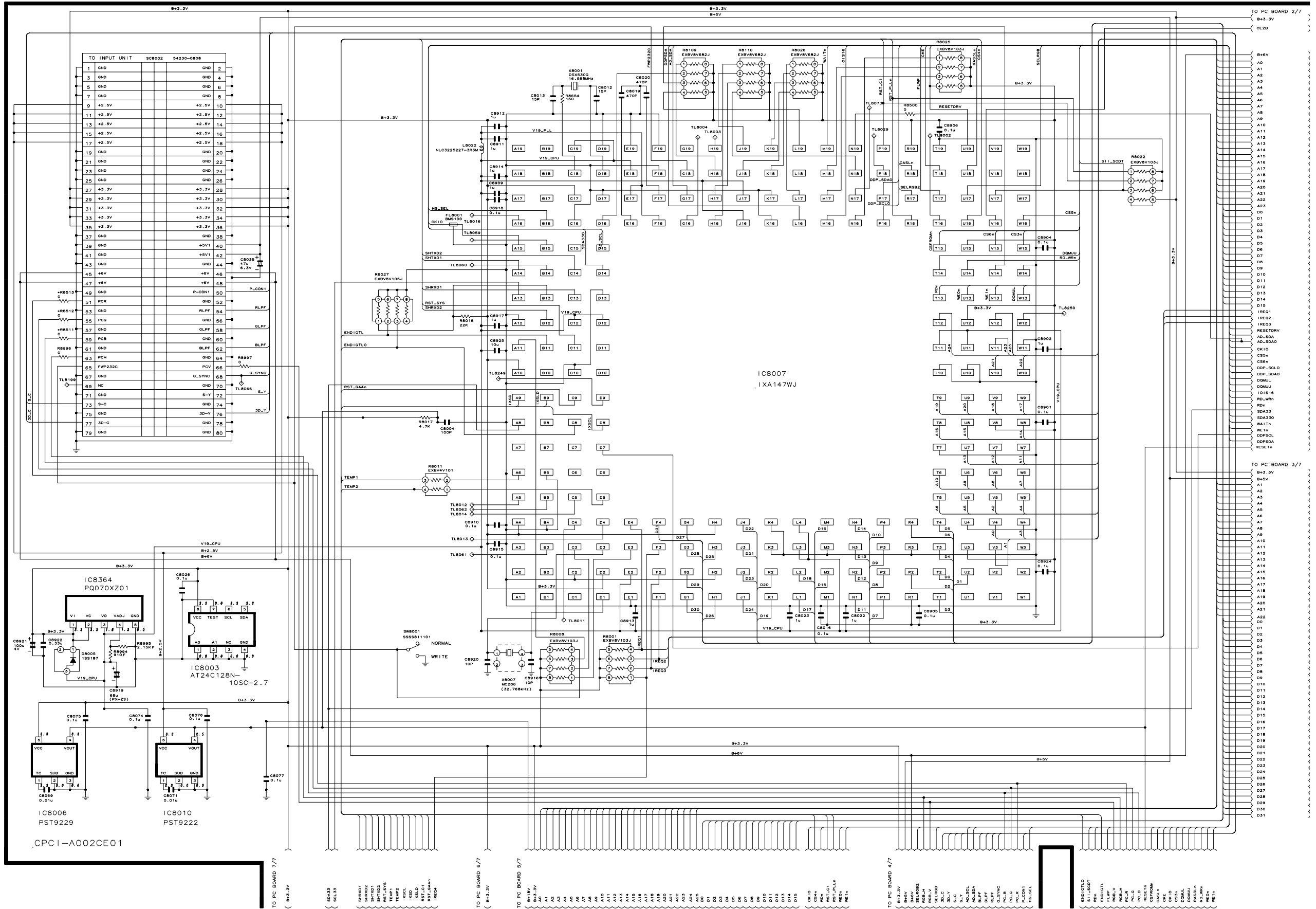


AC INLET and POWER UNIT / AC EINGANGS-und NETZ-EINHEIT



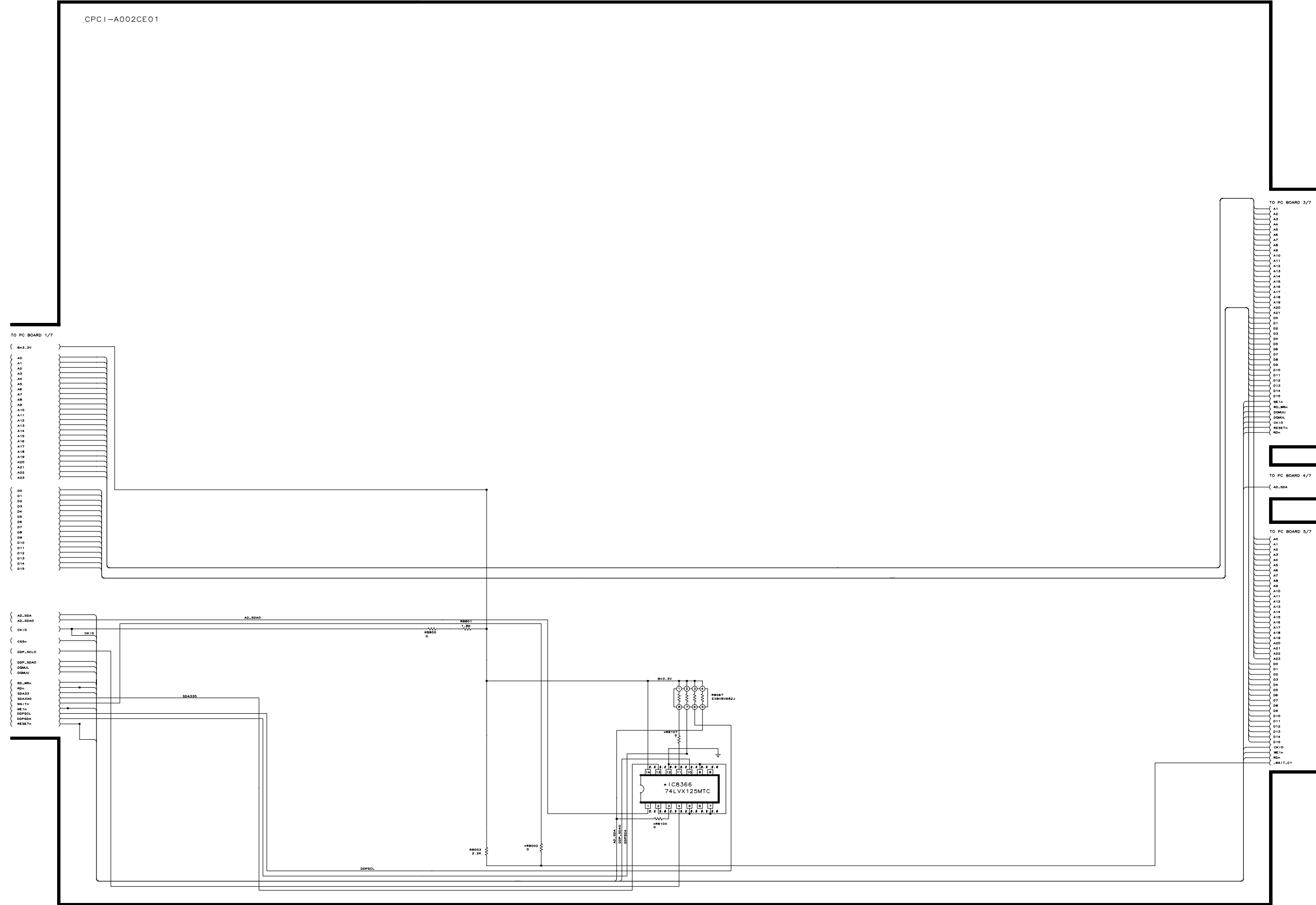
PC I/F UNIT-1/7 / PC-I/F-EINHEIT-1/7

PC BOARD (1/7)



■ PC I/F UNIT-2/7 / PC-I/F-EINHEIT-2/7

PC BOARD (2/7)



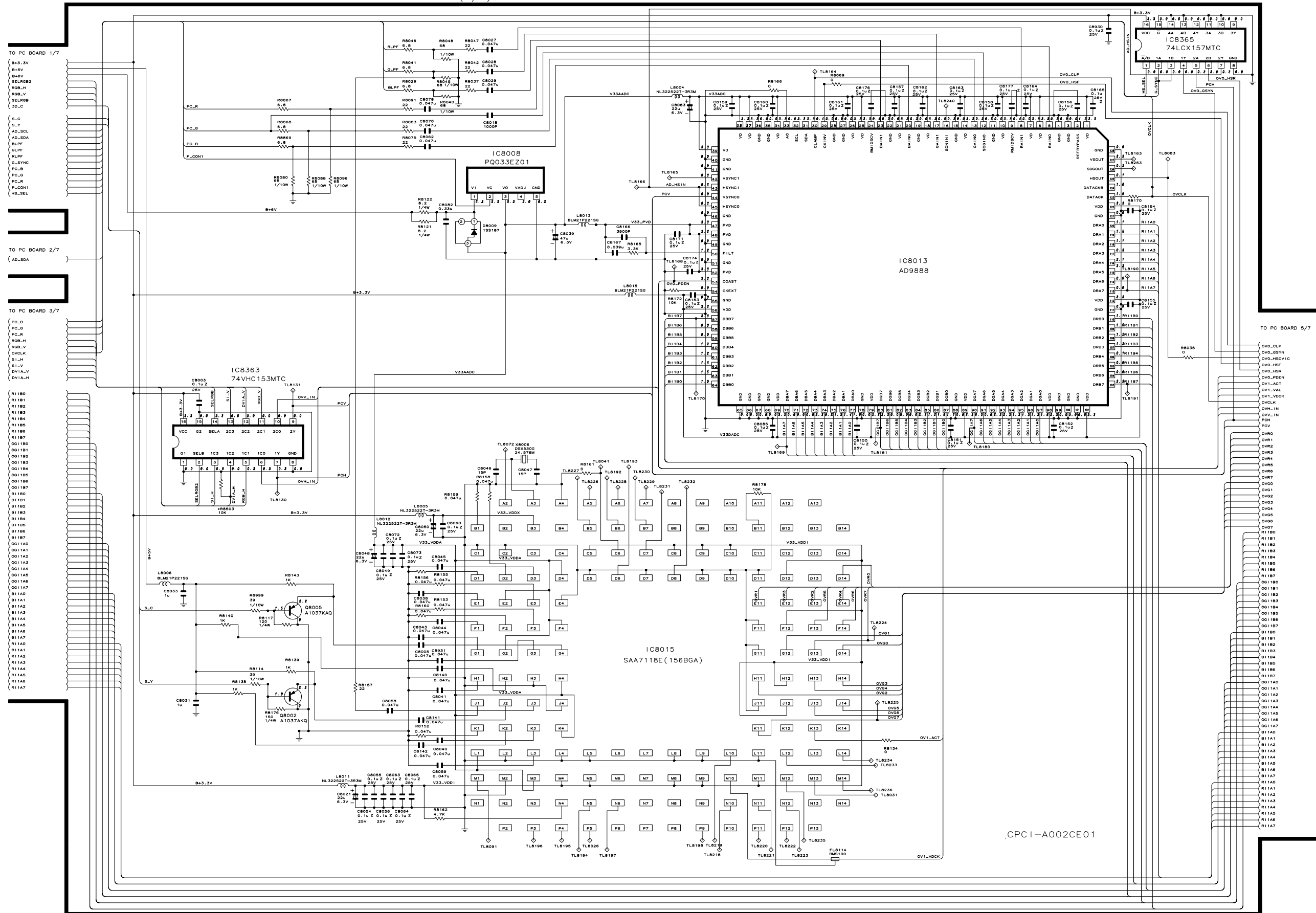
■ PC I/F UNIT-3/7 / PC-I/F-EINHEIT-3/7

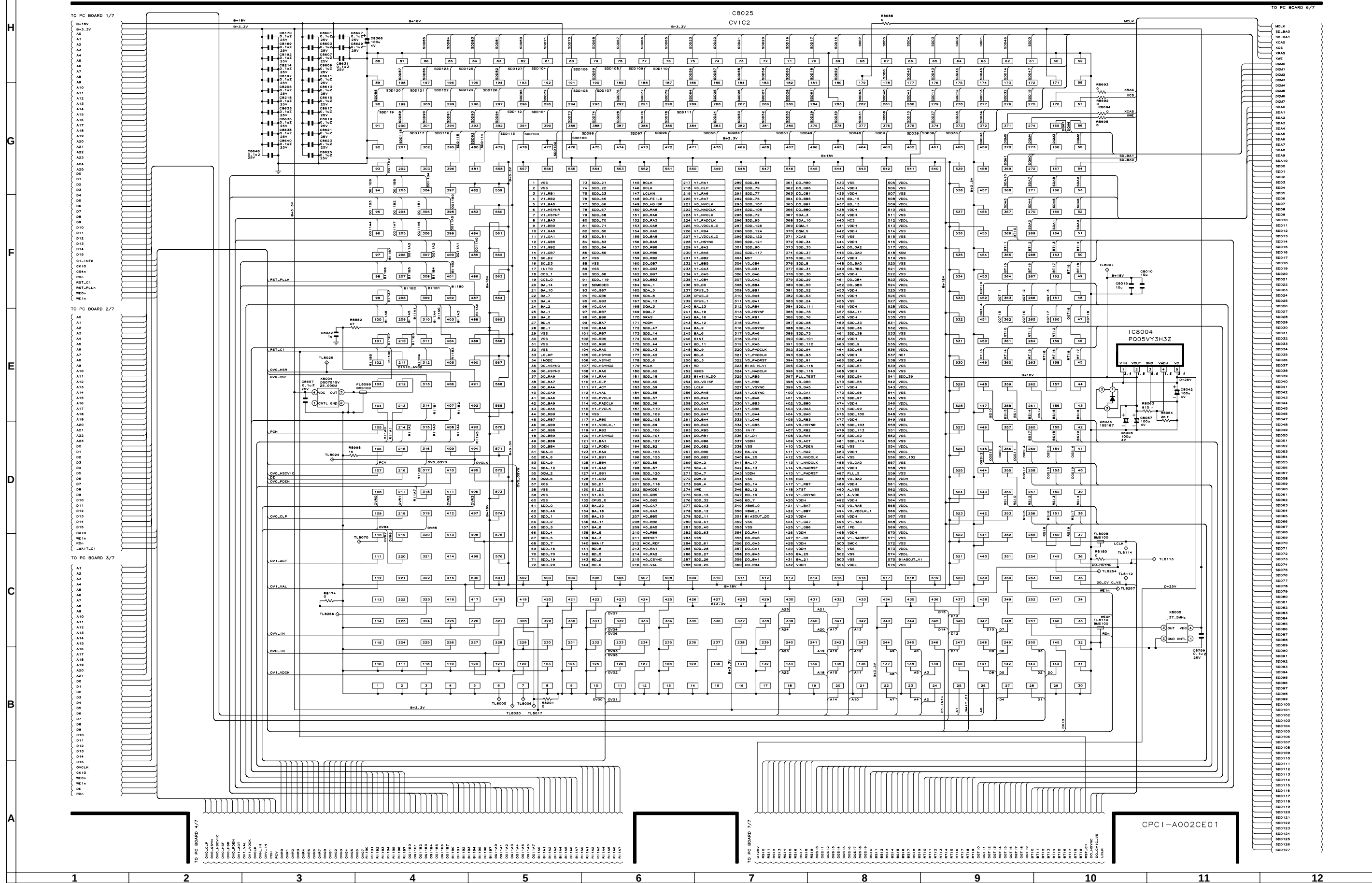
PC BOARD (3/7)



■ PC I/F UNIT-4/7 / PC-I/F-EINHEIT-4/7

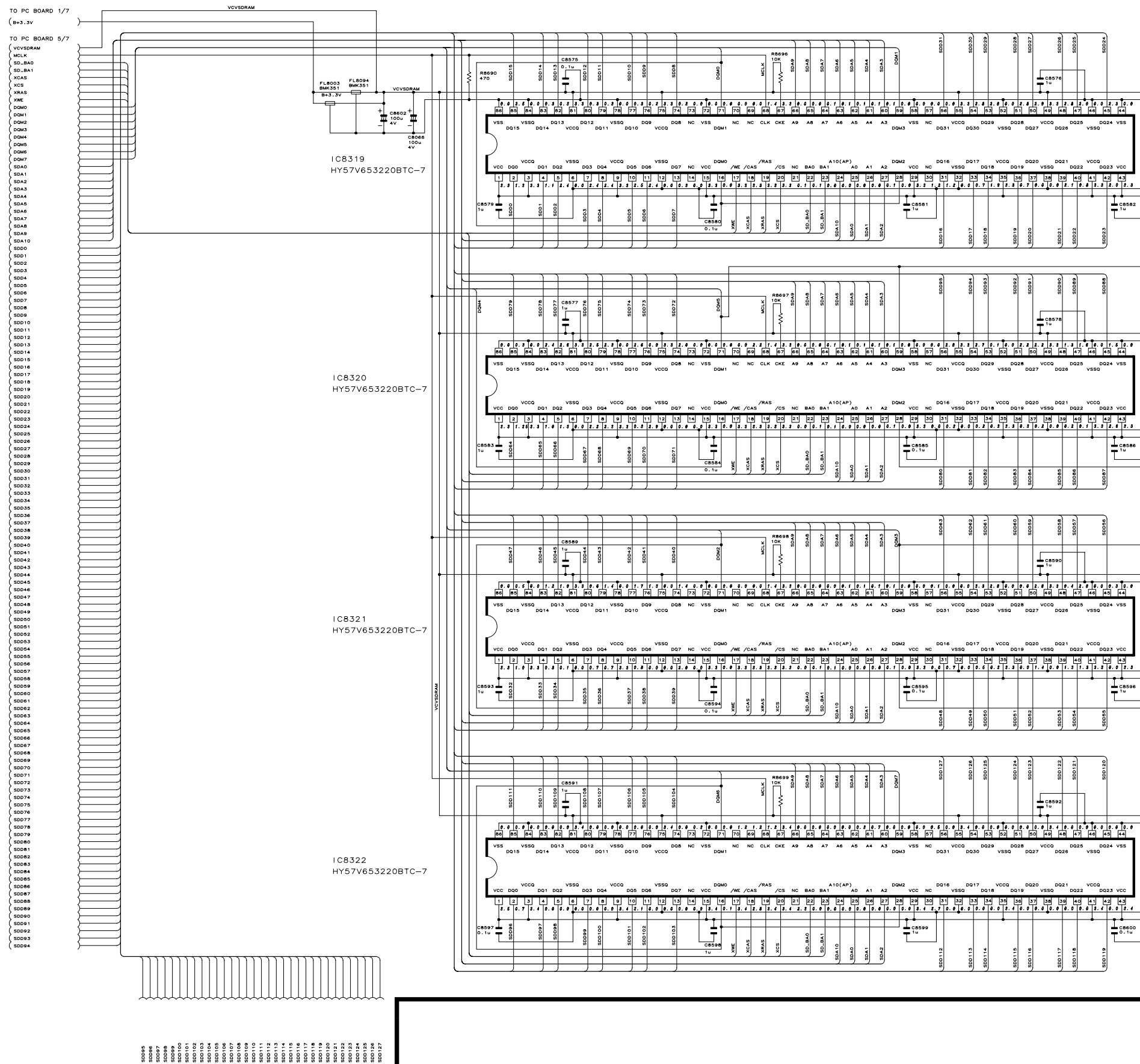
PC BOARD (4/7)





	A
	B
	C
	D
	E
	F
	G
	H

PC BOARD (6/7)



CPC I-A002CE01

A
B
C
D
E
F
G
H

TO PC BOARD 1/7

TO PC BOARD 4/7

TO PC BOARD 5/7

IC8029 IX3399CEN1

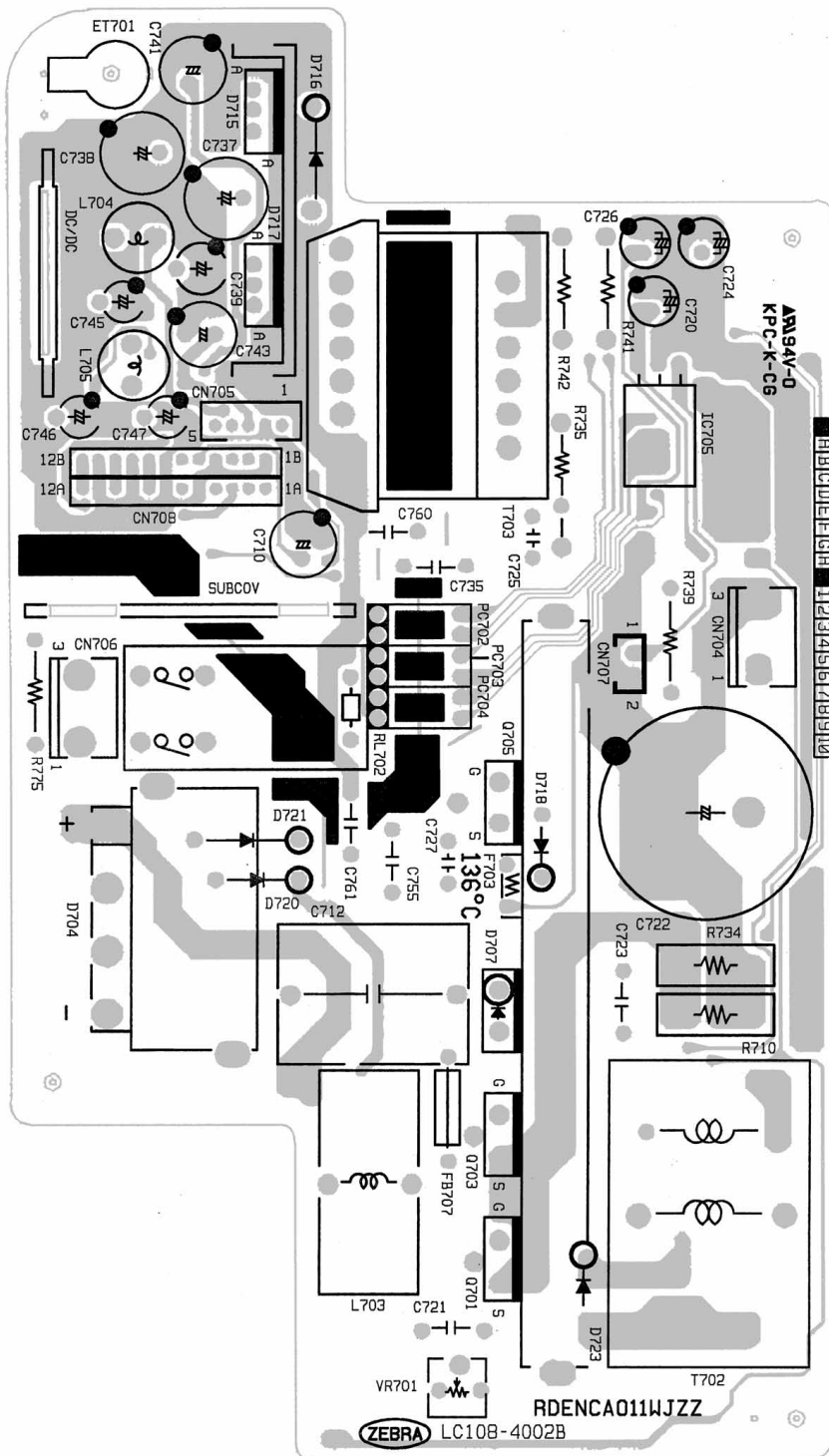
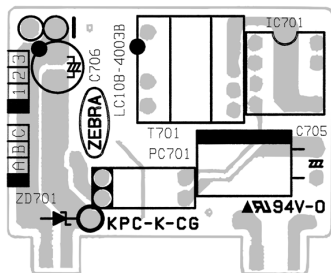
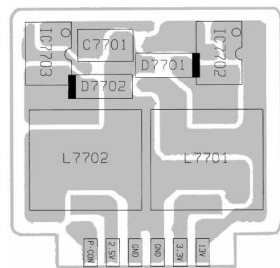
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78	RD9		RD8	77	
76	RD7		RD6	75	
74	RD5		RD4	73	
72	RD3		RD2	71	
70	RD1		RD0	69	
68	GND		GND	67	
66	GD9		GD8	65	
64	GD7		GD6	63	
62	GD5		GD4	61	
60	GD3		GD2	59	
58	GD1		GD0	57	
56	GND		GND	55	
54	BD9		BD8	53	
52	BD7		BD6	51	
50	BD5		BD4	49	
48	BD3		BD2	47	
46	BD1		BD0	45	
44	GND		GND	43	
42	MCLK2		NC	41	
40	MCLK1		SHTXD1	39	
38	GND		GND	37	
36	NC		GND	35	
34	NC		GND	33	
32	GND		GND	31	
30	VCKRO		VSTRO	29	
28	VCKGO		VSTGO	27	
26	VCKBO		VSTBO	25	
24	PCGO		FRGO	23	
22	HCKG		HSTO	21	
20	NC		PRGO	19	
18	SHRXD1		ENBO	17	
16	ENBX2G		ENBX1G	15	
14	RSTSYS		SUF	13	
12	GND		GND	11	
10	SCL		SDA	9	
8	SHRXD2		SHTXD2	7	
6	GND		GND	5	
4	TEMP2		TEMP1	3	
2	GND		GND	1	

TO LCD

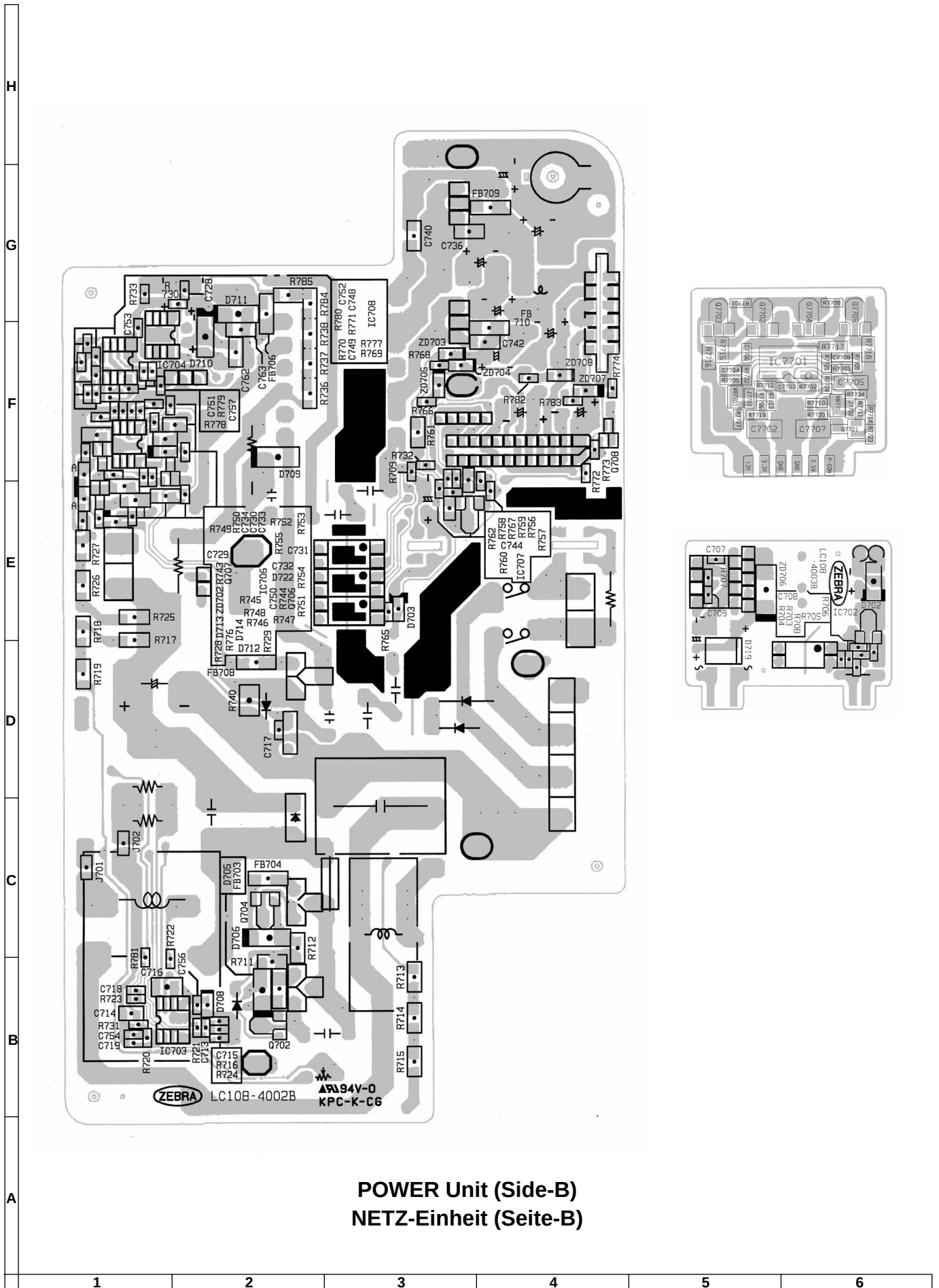
SC8001 54230-0808

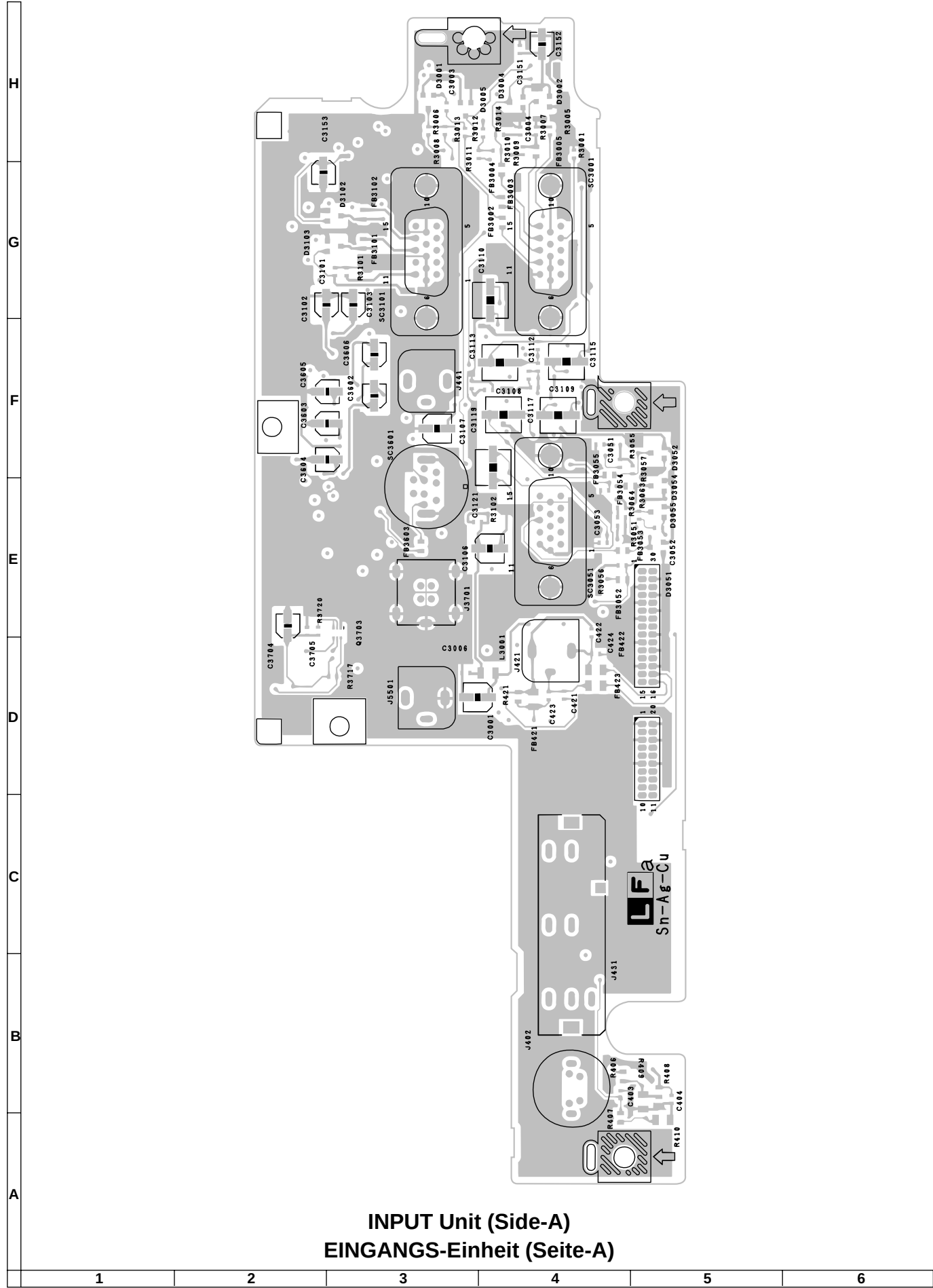
PRINTED WIRING BOARD ASSEMBLIES

LEITERPLATTENINHEITEN



POWER Unit (Side-A)
NETZ-Einheit (Seite-A)

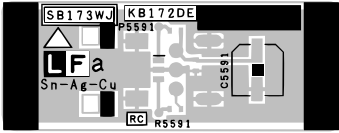
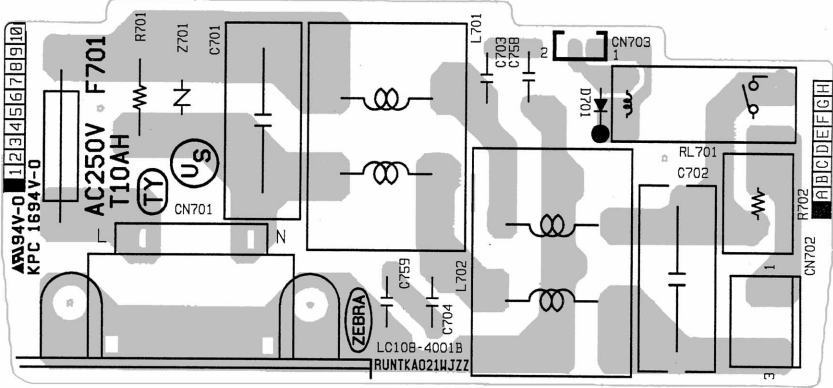
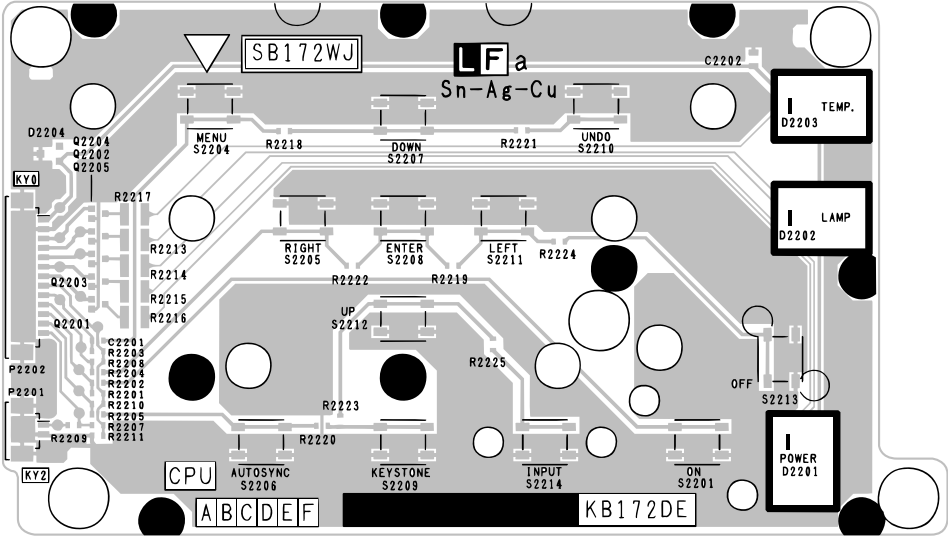


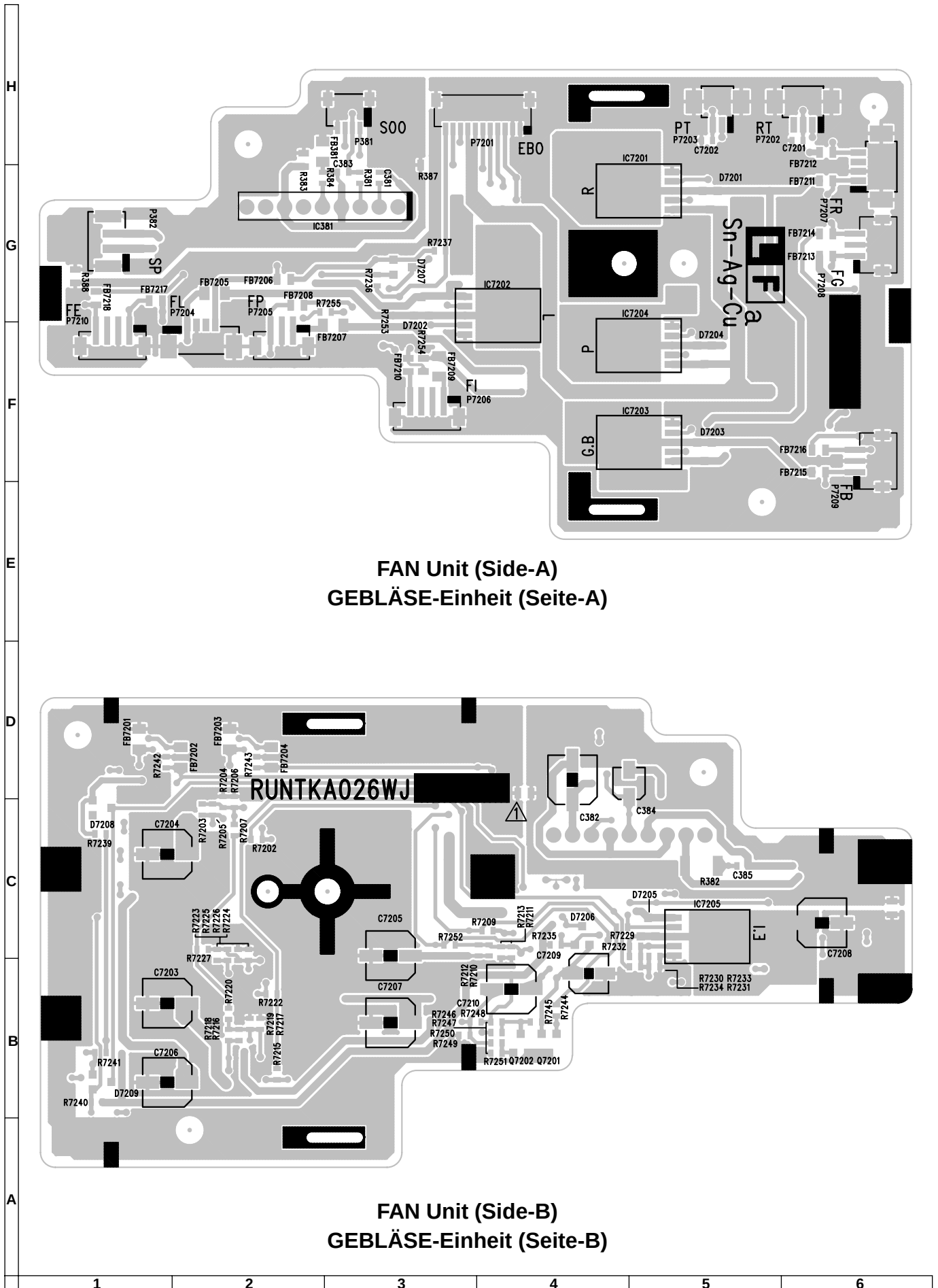




	1	2	3	4	5	6
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H						
G	R/C RECEIVER Unit (Wiring Side) FERNBEDIENUNGS-Einheit (Leiterbahnseite)					
F						
E	AC INLET Unit (Wiring Side) AC-EINGANGS-Einheit (Leiterbahnseite)					
D						
C	KEY Unit (Wiring Side) SCHLÜSELL-Einheit (Leiterbahnseite)					
B						
A						
	1	2	3	4	5	6



FAN Unit (Side-A)
GEBLÄSE-Einheit (Seite-A)

FAN Unit (Side-B)
GEBLÄSE-Einheit (Seite-B)

PARTS LIST

PARTS REPLACEMENT

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |
| 5. CODE | 6. QUANTITY |

in **USA**: Contact your nearest SHARP Parts Distributor.
For location of SHARP Parts Distributor,
Please call Toll-Free; 1-800-BE-SHARP

in **CANADA**: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100.

★ MARK: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code
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LCD PANELS

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

- | | | | |
|---------------|---|------------------------|---|
| RLCDPA007WJZZ | — | LCD Module Unit, Red | — |
| RLCDPA008WJZZ | — | LCD Module Unit, Green | — |
| RLCDPA009WJZZ | — | LCD Module Unit, Blue | — |

NOTE: LCD PANEL SHOULD CORRESPOND BY PRISM UNIT REPLACEMENT IN THE FIELD. (Refer to page 18.)
CMiR-A004WJ01 J Prism Unit

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

- | | | | |
|---------------|---|-------------------------|----|
| DUNTKB170DE01 | — | Input Unit | — |
| DUNTKB171FE01 | — | Output Unit | — |
| DUNTKB172DE01 | — | Key Unit | — |
| DUNTKB173DE01 | — | R/C Receiver Unit | — |
| RUNTKA021WJZZ | — | AC Inlet Unit | — |
| RUNTKA026WJZZ | — | Fan Unit | — |
| RDENCA011WJZZ | — | Power Unit | — |
| CPCi-A002CE01 | J | PC I/F Unit | CW |
| RDENCA012WJZZ | J | Ballast Unit | CB |
| | | (Unit Replacement Item) | |

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschaften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenschaften sind in den Ersatzteil durch "△" gekennzeichnet. Der Gebrauch von Ersatzteilen, die nicht denselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen und in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATZTEILE BESTELLT"

Damit Ihre Bestellung prompt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

- | | |
|-------------------|-----------------|
| 1. MODELL NR. | 2. REF. NR. |
| 3. ERSATZTEIL NR. | 4. BESCHREIBUNG |
| 5. KODE | 6. QUANTITÄT |

★ MARKIERUNG : ERSATZTEILE-LIEFERUNG

Ref. No.	Part No.	★	Description	Code
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DUNTKB170DE01 INPUT UNIT

INTEGRATED CIRCUITS

- | | | | | |
|--------|----------------|---|----------------|----|
| IC3001 | VHi24LC21//-1Y | J | 24LC21T-I/SN | AH |
| IC3051 | VHi24LC21//-1Y | J | 24LC21T-I/SN | AH |
| IC3101 | VHiAD8185++-1Y | J | AD8185ARU | AW |
| IC3102 | VHiLM2664++-1Y | J | LM2664M6X | AG |
| IC3151 | RH-iX2242CEZZY | J | SN74LS14NS | AE |
| IC3152 | VHiTC7W125U-1Y | J | TC7W125FU | AF |
| IC3153 | VHiT7WT240U-1Y | J | TC7WT240FU | AF |
| IC3154 | VHiT7WT240U-1Y | J | TC7WT240FU | AF |
| IC3602 | VHiUPD4721G-1Y | J | UPD4721GS-GJG | AN |
| IC3701 | RH-iXA178WJZZY | J | CY7C63413-PVCT | AW |

TRANSISTORS

- | | | | | |
|-------|----------------|---|-----------|----|
| Q3151 | VSDTC144EUA-1Y | J | DTC144EUA | AB |
| Q3701 | VSBSS84++++-1Y | J | BSS84 | AE |
| Q3702 | VSRN1905///-1Y | J | RN1905 | AB |
| Q3703 | VSRN1905///-1Y | J | RN1905 | AB |

DIODES

- | | | | | |
|-------|----------------|---|-------|----|
| D401 | VHDM3120WA-1Y | J | Diode | AD |
| D402 | VHDM3120WA-1Y | J | Diode | AD |
| D3001 | VHDKDS226//-1Y | J | Diode | AB |
| D3002 | VHDKDS226//-1Y | J | Diode | AB |
| D3004 | VHDKDS226//-1Y | J | Diode | AB |
| D3005 | VHDKDS226//-1Y | J | Diode | AB |
| D3051 | VHDKDS226//-1Y | J | Diode | AB |
| D3052 | VHDKDS226//-1Y | J | Diode | AB |
| D3054 | VHDKDS226//-1Y | J | Diode | AB |
| D3055 | VHDKDS226//-1Y | J | Diode | AB |
| D3102 | VHDKDS226//-1Y | J | Diode | AB |
| D3103 | VHDKDS226//-1Y | J | Diode | AB |
| D3104 | VHDKDS226//-1Y | J | Diode | AB |
| D3105 | VHDKDS226//-1Y | J | Diode | AB |
| D3106 | VHDKDS226//-1Y | J | Diode | AB |
| D3109 | VHDKDS226//-1Y | J | Diode | AB |
| D3110 | VHDKDS226//-1Y | J | Diode | AB |
| D3111 | VHDKDS226//-1Y | J | Diode | AB |
| D3112 | VHDKDS226//-1Y | J | Diode | AB |
| D3113 | VHDKDS226//-1Y | J | Diode | AB |
| D3114 | VHDKDS226//-1Y | J | Diode | AB |
| D3606 | VHDM3120WA-1Y | J | Diode | AD |
| D3607 | VHDM3120WA-1Y | J | Diode | AD |

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB170DE01					C3151	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
INPUT UNIT(Continued)					C3152	VCEAPF1CW106MY	J 10	16V Electrolytic	
D3608	VHDDAN202K/-1Y	J	Diode	AB	C3153	VCEAPF1CW106MY	J 10	16V Electrolytic	
D3701	VHDMA3120WA-1Y	J	Diode	AD	C3154	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D3702	VHDMA3120WA-1Y	J	Diode	AD	C3155	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D3703	VHDMA3120WA-1Y	J	Diode	AD	C3156	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
PACKAGED CIRCUIT					C3602	VCEAPF1HW225MY	J 2.2	50V Electrolytic	
X3701	RFILZ0003TAZZY	J	Crystal	AD	C3603	VCEAPF1HW225MY	J 2.2	50V Electrolytic	
FILTERS AND COILS					C3604	VCEAPF1HW225MY	J 2.2	50V Electrolytic	
FL402	RFILN0514CEZZY	J	Filter	AE	C3605	VCEAPF1HW225MY	J 2.2	50V Electrolytic	
FL403	RFILN0017TAZZY	J	Filter	AC	C3606	VCEAPF1HW225MY	J 2.2	50V Electrolytic	
FL431	RFILN0017TAZZY	J	Filter	AC	C3607	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
FL3001	RFILN0003TAZZY	J	Filter	AD	C3704	VCEAPF1CW106MY	J 10	16V Electrolytic	
FL3002	RFILN0003TAZZY	J	Filter	AD	C3705	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
FL3003	RFILN0003TAZZY	J	Filter	AD	RESISTORS				
FL3003	RFILN0003TAZZY	J	Filter	AD	R402	VRS-TV1JD000JY	J 0	1/10W Metal Oxide	AA
FL3051	RFILN0003TAZZY	J	Filter	AD	R403	VRS-TV1JD000JY	J 0	1/10W Metal Oxide	AA
FL3052	RFILN0003TAZZY	J	Filter	AD	R404	VRS-TV1JD000JY	J 0	1/10W Metal Oxide	AA
FL3053	RFILN0003TAZZY	J	Filter	AD	R407	VRS-TV1JD000JY	J 0	1/10W Metal Oxide	AA
FL3101	RFILN0003TAZZY	J	Filter	AD	R408	VRS-TV1JD000JY	J 0	1/10W Metal Oxide	AA
FL3102	RFILN0003TAZZY	J	Filter	AD	R409	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
FL3103	RFILN0003TAZZY	J	Filter	AD	R410	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
L3001	VP-1M100J1R6NY	J	Peaking 10μH	AB	R421	VRS-TV1JD000JY	J 0	1/10W Metal Oxide	AA
L3101	VP-1M100J1R6NY	J	Peaking 10μH	AB	R431	VRS-TQ2BD750JY	J 75	1/8W Metal Oxide	AA
L3102	VP-1M100J1R6NY	J	Peaking 10μH	AB	R432	VRS-TV1JD000JY	J 0	1/10W Metal Oxide	AA
L3103	VP-1M100J1R6NY	J	Peaking 10μH	AB	R441	VRS-TV1JD000JY	J 0	1/10W Metal Oxide	AA
CAPACITORS					R3002	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C421	VCCCCCY1HH101JY	J	100p 50V Ceramic	AA	R3003	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C422	VCCCCCY1HH101JY	J	100p 50V Ceramic	AA	R3004	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C431	VCCCCCY1HH101JY	J	100p 50V Ceramic	AA	R3006	VRS-CY1JF473JY	J 47k	1/16W Metal Oxide	AA
C432	VCCCCCY1HH101JY	J	100p 50V Ceramic	AA	R3007	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C441	VCCCCCY1HH101JY	J	100p 50V Ceramic	AA	R3008	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C442	VCCCCCY1HH101JY	J	100p 50V Ceramic	AA	R3009	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C3001	VCEAPF0JW476MY	J 47	6.3V Electrolytic		R3010	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C3002	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R3011	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C3003	VCCCCCY1HH330JY	J 33p	50V Ceramic	AA	R3012	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C3004	VCCCCCY1HH330JY	J 33p	50V Ceramic	AA	R3013	VRS-CY1JF271JY	J 270	1/16W Metal Oxide	AA
C3006	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R3014	VRS-CY1JF271JY	J 270	1/16W Metal Oxide	AA
C3007	VCCCCCY1HH180JY	J 18p	50V Ceramic	AA	R3052	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C3008	VCCCCCY1HH180JY	J 18p	50V Ceramic	AA	R3053	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C3009	VCCCCCY1HH180JY	J 18p	50V Ceramic	AA	R3054	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C3051	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R3056	VRS-CY1JF473JY	J 47k	1/16W Metal Oxide	AA
C3052	VCCCCCY1HH330JY	J 33p	50V Ceramic	AA	R3057	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3053	VCCCCCY1HH330JY	J 33p	50V Ceramic	AA	R3058	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C3055	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R3059	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C3056	VCCCCCY1HH180JY	J 18p	50V Ceramic	AA	R3060	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C3057	VCCCCCY1HH180JY	J 18p	50V Ceramic	AA	R3061	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C3058	VCCCCCY1HH180JY	J 18p	50V Ceramic	AA	R3062	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C3101	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R3063	VRS-CY1JF271JY	J 270	1/16W Metal Oxide	AA
C3102	VCEAPF1CW106MY	J 10	16V Electrolytic		R3064	VRS-CY1JF271JY	J 270	1/16W Metal Oxide	AA
C3103	VCAAPC1AJ106MY	J 10	10V Electrolytic	AE	R3103	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C3104	RC-KZ0416CEZZY	J 10	25V Ceramic	AE	R3104	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C3105	RC-KZ0416CEZZY	J 10	25V Ceramic	AE	R3105	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C3106	VCEAPF1CW226MY	J 22	16V Electrolytic		R3106	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C3107	VCEAPF1CW226MY	J 22	16V Electrolytic		R3107	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C3108	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R3108	VRS-TW2ED750JY	J 75	1/4W Metal Oxide	AA
C3109	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R3109	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3110	VCE9PF0JW476MY	J 47	6.3V Elect.(N.P)	AD	R3111	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3111	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R3113	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3112	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R3115	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3113	VCE9PF0JW476MY	J 47	6.3V Elect.(N.P)	AD	R3117	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3114	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R3119	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C3115	VCE9PF0JW476MY	J 47	6.3V Elect.(N.P)	AD	R3151	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C3116	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R3152	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C3117	VCE9PF0JW476MY	J 47	6.3V Elect.(N.P)	AD	R3155	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C3118	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R3156	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C3119	VCE9PF0JW476MY	J 47	6.3V Elect.(N.P)	AD	R3157	VRS-CY1JF332JY	J 3.3k	1/16W Metal Oxide	AA
C3120	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R3158	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C3121	VCE9PF0JW476MY	J 47	6.3V Elect.(N.P)	AD	R3159	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C3122	VCCCCCY1HH102JY	J 1000p	50V Ceramic	AB	R3160	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C3126	VCCCCCY1HH102JY	J 1000p	50V Ceramic	AB	R3161	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
					R3162	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
					R3163	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
					R3164	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
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DUNTKB170DE01

INPUT UNIT(Continued)

R3165	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3614	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3615	VRS-CY1JF101JY	J	100	1/16W	Metal Oxide	AA
R3616	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R3617	VRS-CY1JF332JY	J	3.3k	1/16W	Metal Oxide	AA
R3701	VRS-TV1JD000JY	J	0	1/16W	Metal Oxide	AA
R3702	VRS-CY1JF224JY	J	220k	1/16W	Metal Oxide	AA
R3705	VRS-CY1JF752FY	J	7.5k	1/16W	Metal Oxide	AA
R3706	VRS-CY1JF154JY	J	150k	1/16W	Metal Oxide	AA
R3714	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3715	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3716	VRS-CY1JF000JY	J	0	1/16W	Metal Oxide	AA
R3717	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3718	VRS-CY1JF104JY	J	100k	1/16W	Metal Oxide	AA
R3719	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R3720	VRS-CY1JF103JY	J	10k	1/16W	Metal Oxide	AA
R5501	VRS-CY1JF472JY	J	4.7k	1/16W	Metal Oxide	AA
R5502	VRS-CY1JF823JY	J	82k	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

FB422	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB423	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB431	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB433	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB434	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB442	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB443	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB3002	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3003	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3004	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3005	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3052	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3053	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3054	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3055	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3101	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3102	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3602	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB3603	RBLN-0058CEZZY	J	Ferrite Bead	AB
FB3609	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB3701	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3702	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3703	RBLN-0060TAZZY	J	Ferrite Bead	AB
FB3705	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB5501	RBLN-0058CEZZY	J	Ferrite Bead	AB
J402	QSOCD0403GEZZ	J	S-Video(INPUT3,4)	AE
J421	QJAKJ0008GEZZ	J	AUDIO INPUT1,2 Terminal	AD
J431	QJAKG0064CEZZ	J	AV Input	AG
J441	QJAKJ0008GEZZ	J	AUDIO OUTPUT Terminal	AD
J3701	QPLGJ0403CEZZ	J	USB Port	AF
J5501	QJAKJ0007TAZZ	J	Wired Remote Control Input Terminal	AC
SC3001	QSOCN0448FJZZ	J	INPUT1 Terminal	AM
SC3051	QSOCN0448FJZZ	J	INPUT2 terminal	AM
SC3101	QSOCN0344FJZZ	J	OUTPUT(INPUT1,2) Terminal	AM
SC3102	QCNCW3026TAZZ	J	Socket, 30-pin	AF
SC3601	QSOCD0901CEZZ	J	RS-232C Terminal	AH
SC3602	QCNCW2026TAZZ	J	Socket, 20-pin	AE
	PSLDMA009WJFW	J	Shield	AH
	NSFTZ0134CEFW	J	Shaft	AD

Ref. No.	Part No.	★	Description	Code
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DUNTKB171FE01

OUTPUT UNIT

INTEGRATED CIRCUITS

IC302	VHiLV4053AT-1Y	J	SN74LV4053APWR	AE
IC303	VHiBA3530FS-1Y	J	BA3530FS-E1	AM
IC1101	VHiCXA7000R-1Q	J	CXA7000R	AZ
IC1102	VHiCXA7000R-1Q	J	CXA7000R	AZ
IC1103	VHiNJM2902V-1Y	J	NJM2902V	AD
IC1104	VHiM62392FP-1Y	J	M62392FP	AM
IC1105	VHiNJM2904V-1Y	J	NJM2904V	AF
IC1201	VHiCXA7000R-1Q	J	CXA7000R	AZ
IC1202	VHiCXA7000R-1Q	J	CXA7000R	AZ
IC1301	VHiCXA7000R-1Q	J	CXA7000R	AZ
IC1302	VHiCXA7000R-1Q	J	CXA7000R	AZ
IC2401	VHiSM5300CS-1Y	J	SM5300CS	AP
IC2402	VHiLMV7239+-1Y	J	LMV7239M5X	AG
IC2403	VHiLMV7239+-1Y	J	LMV7239M5X	AG
IC2404	VHiLV125AT+-1Y	J	SN74LV125APWR	AE
IC2601	VHiSNAT541P-1Y	J	SN74AHCT541PWR	AF
IC2602	RH-iXA176WJZZQ	J	A176WJ	AQ
IC2603	VHiBD4729G+-1Y	J	BD4729G-TR	AD
IC2604	VHiSN2G32CT-1Y	J	SN74AHC2G32HDC	AE
IC2605	VHiHN24256T-1Y	J	HN58X24256TI	AT
IC2606	VHiSN2G53CT-1Y	J	SN74AHC2G53HDC	AE
IC2701	VHiM62320FP-1Y	J	M62320FP	AH
IC2702	VHiM62320FP-1Y	J	M62320FP	AH
IC2703	VHiSNT1G08C-1Y	J	SN74AHCT1G08DC	AD
IC2751	VHiM62392FP-1Y	J	M62392FP	AM
IC2752	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC4502	VHiNJM2244M-1Y	J	NJM2244M	AG
IC4505	VHiBA7655AF-1Y	J	BA7655AF	AG
IC4506	VHiNJM2060V-1Y	J	NJM2060V	AF
IC4507	VHiTHC4538T-1Y	J	TC74HC4538AFT	AL
IC4508	VHiSNT1G08C-1Y	J	SN74AHCT1G08DC	AD
IC4510	VHiSNT1G08C-1Y	J	SN74AHCT1G08DC	AD
IC4511	VHiNJM2244M-1Y	J	NJM2244M	AG
IC7001	VHiPQ1R33//1Y	J	PQ1R33	AE
IC7002	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC7003	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC7004	VHiPQ05DZ1U-1Y	J	PQ05DZ1U	AG
IC7005	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7006	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7007	VHiHCT541AF-1Y	J	TC74HCT541AF	AF
IC7008	VHiHCT541AF-1Y	J	TC74HCT541AF	AF
IC7010	VHi74F86NSR-1Y	J	SN74F86NSR	AD

TRANSISTORS

Q301	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q302	VS2SD1760QA-1Y	J	2SD1760QA	AC
Q303	VS2SD1760QA-1Y	J	2SD1760QA	AC
Q304	VSHN2C01FU/-1Y	J	HN2C01FU	AC
Q305	VSHN2C01FU/-1Y	J	HN2C01FU	AC
Q306	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q307	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q308	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q1101	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1102	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1103	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1104	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1105	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1106	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1107	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1108	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1109	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1201	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1202	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1203	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1204	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1205	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1206	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1207	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1208	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1301	VS2SC3928AR-1Y	J	2SC3928AR	AB

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB171FE01									
OUTPUT UNIT(Continued)									
Q1302	VS2SA1530AR-1Y	J	2SA1530AR	AB	C310	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
Q1303	VS2SC3928AR-1Y	J	2SC3928AR	AB	C311	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
Q1304	VS2SA1530AR-1Y	J	2SA1530AR	AB	C312	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
Q1305	VS2SC3928AR-1Y	J	2SC3928AR	AB	C313	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
Q1306	VS2SA1530AR-1Y	J	2SA1530AR	AB	C314	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
Q1307	VS2SC3928AR-1Y	J	2SC3928AR	AB	C315	VCE9PF1HW105MY	J 1	50V Elect.(N.P)	AC
Q1308	VS2SA1530AR-1Y	J	2SA1530AR	AB	C316	VCEAPF0JW107MY	J 100	6.3V Electrolytic	AC
Q2401	VS2SC2735//1Y	J	2SC2735	AB	C317	VCE9PF1HW105MY	J 1	50V Elect.(N.P)	AC
Q2402	VS2SC2735//1Y	J	2SC2735	AB	C318	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
Q2403	VS2SC2735//1Y	J	2SC2735	AB	C319	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
Q2415	VSHN1B04FU/-1Y	J	HN1B04FU	AC	C320	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
Q2416	VS2SC3928AR-1Y	J	2SC3928AR	AB	C321	VCEAPF0JW107MY	J 100	6.3V Electrolytic	AC
Q2417	VS2SC3928AR-1Y	J	2SC3928AR	AB	C322	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
Q2418	VSDTC114EUA-1Y	J	DTC114EUA	AB	C323	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
Q2419	VSHN1C01FU/-1Y	J	HN1C01FU	AC	C324	VCCCCY1HH102JY	J 1000p	50V Ceramic	AB
Q2420	VSHN1C01FU/-1Y	J	HN1C01FU	AC	C1101	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q2701	VSBSN20///-1Y	J	BSN20	AD	C1102	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q2702	VSHN1K03FU/-1Y	J	HN1K03FU	AD	C1103	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
Q2751	VS2SC3928AR-1Y	J	2SC3928AR	AB	C1104	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q2752	VSHN2C01FU/-1Y	J	HN2C01FU	AC	C1105	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q2753	VSDTA114EUA-1Y	J	DTA114EUA	AA	C1106	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
Q2754	VS2SC3928AR-1Y	J	2SC3928AR	AB	C1107	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q2755	VSDTC144EUA-1Y	J	DTC144EUA	AB	C1108	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q2756	VS2SA1530AR-1Y	J	2SA1530AR	AB	C1109	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
Q4501	VS2SC3928AR-1Y	J	2SC3928AR	AB	C1110	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
Q4502	VS2SC3928AR-1Y	J	2SC3928AR	AB	C1112	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q4504	VS2SC3928AR-1Y	J	2SC3928AR	AB	C1113	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q4505	VS2SA1530AR-1Y	J	2SA1530AR	AB	C1114	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
Q4506	VS2SC3928AR-1Y	J	2SC3928AR	AB	C1115	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q4511	VS2SA1530AR-1Y	J	2SA1530AR	AB	C1116	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q4512	VS2SA1530AR-1Y	J	2SA1530AR	AB	C1117	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
Q4513	VS2SA1530AR-1Y	J	2SA1530AR	AB	C1118	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q4514	VS2SC3928AR-1Y	J	2SC3928AR	AB	C1119	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q4515	VS2SC3928AR-1Y	J	2SC3928AR	AB	C1120	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q7001	VS2SC2412K/-1Y	J	2SC2412K	AA	C1121	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
Q7002	VSHN2C01FU/-1Y	J	HN2C01FU	AC	C1122	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
Q7003	VSDTC114EUA-1Y	J	DTC114EUA	AB	C1123	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
Q7004	VSDTC114EUA-1Y	J	DTC114EUA	AB	C1124	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
Q7005	VSDTC114EUA-1Y	J	DTC114EUA	AB	C1125	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
DIODES					C1126	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
D2751	VHDDAN202K/-1Y	J	Diode	AB	C1127	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D2752	VHDDAN202K/-1Y	J	Diode	AB	C1128	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D4501	RH-EX0519CEZZY	J	Zener Diode	AB	C1130	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D4502	RH-EX0519CEZZY	J	Zener Diode	AB	C1131	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D4503	VHDMA152WA/-1Y	J	Diode	AB	C1140	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D4504	VHDMA152WA/-1Y	J	Diode	AB	C1141	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D7001	VHDDAN202K/-1Y	J	Diode	AB	C1142	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D7002	VHDDAN202K/-1Y	J	Diode	AB	C1143	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D7003	VHDDAN202K/-1Y	J	Diode	AB	C1144	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
D7004	VHDDAN202K/-1Y	J	Diode	AB	C1145	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
D7005	VHDDAN202K/-1Y	J	Diode	AB	C1146	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
PACKAGED CIRCUIT					C1147	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
X2601	RCRSB0286CEZZY	J	Crystal	AH	C1201	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
COILS AND FILTERS					C1202	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
L1101	VP-1M100J1R6NY	J	Peaking 10μH	AB	C1203	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
L1102	VP-1M100J1R6NY	J	Peaking 10μH	AB	C1204	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
L1201	VP-1M100J1R6NY	J	Peaking 10μH	AB	C1205	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
L1202	VP-1M100J1R6NY	J	Peaking 10μH	AB	C1206	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
L1301	VP-1M100J1R6NY	J	Peaking 10μH	AB	C1207	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
L1302	VP-1M100J1R6NY	J	Peaking 10μH	AB	C1208	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
L4501	VP-1M220J2R9NY	J	Peaking 22μH	AB	C1209	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
L4504	VP-1M220J2R9NY	J	Peaking 22μH	AB	C1210	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
CAPACITORS					C1211	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C301	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	C1212	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C302	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	C1213	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
C303	VCEAPF1CW106MY	J 10	16V Electrolytic	AB	C1214	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C309	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1215	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
					C1216	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
					C1217	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
					C1219	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
					C1220	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
					C1222	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
					C1223	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
					C1224	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
					C1225	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
DUNTKB171FE01				
OUTPUT UNIT(Continued)				
C1226	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
C1227	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1228	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1240	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1241	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1242	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1243	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1301	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1302	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1303	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
C1304	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1305	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1306	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
C1307	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1308	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
C1309	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
C1310	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1311	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1312	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
C1313	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1314	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1315	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
C1316	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1317	VCKYCY1AF105ZY	J 1	10V Ceramic	AC
C1318	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
C1319	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1320	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
C1321	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1322	RC-KZ0416CEZZY	J 10	25V Ceramic	AE
C1323	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1325	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1326	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1327	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1340	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1341	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1342	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1343	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2401	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2402	VCE9PF1HW105MY	J 1	50V Elect.(N.P)	AC
C2403	VCE9PF1HW105MY	J 1	50V Elect.(N.P)	AC
C2404	VCE9PF1HW105MY	J 1	50V Elect.(N.P)	AC
C2407	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2408	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2409	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2410	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2420	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2421	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2422	VCE9PF1HW474MY	J 0.47	50V Elect.(N.P)	AD
C2423	VCCCCY1HH5R0CY	J 5p	50V Ceramic	AA
C2424	VCKYCY1HB222KY	J 2200p	50V Ceramic	AA
C2425	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2426	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2427	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2428	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
C2441	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2442	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2443	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2445	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2446	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2447	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2448	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2601	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2604	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2605	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2606	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2607	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2608	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2609	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2610	VCEAPF0JW476MY	J 47	6.3V Electrolytic	AB
C2611	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2612	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
C2613	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2614	VCCCCY1HH220JY	J 22p	50V Ceramic	AA
C2615	VCCCCY1HH220JY	J 22p	50V Ceramic	AA
C2616	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2617	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2618	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2701	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C2702	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2703	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2751	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C2752	VCEAPF1CW226MY	J 22	16V Electrolytic	AB
C2757	VCEAPF1CW476MY	J 47	16V Electrolytic	AC
C2759	VCEAPF1CW476MY	J 47	16V Electrolytic	AC
C2760	VCEAPF1HW225MY	J 2.2	50V Electrolytic	AB
C4501	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C4502	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4503	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4504	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C4505	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C4506	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4523	VCCCCY1HH471JY	J 470p	50V Ceramic	AA
C4524	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4525	VCKYTV1CB334KY	J 0.33	16V Ceramic	AC
C4546	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4547	VCCCCY1HH270JY	J 27p	50V Ceramic	AA
C4548	VCCCCY1HH120JY	J 12p	50V Ceramic	AA
C4549	VCCCCY1HH100DY	J 10p	50V Ceramic	AA
C4551	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4552	VCEAPF0JW476MY	J 47	6.3V Electrolytic	AB
C4554	VCE9PF1CW106MY	J 10	16V Elect.(N.P)	AC
C4555	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4556	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C4557	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4558	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4559	VCEAPF1HW225MY	J 2.2	50V Electrolytic	AB
C4560	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA
C4561	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
C4562	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA
C4563	VCE9PF1HW105MY	J 1	50V Elect.(N.P)	AC
C4564	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
C4565	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4566	VCCCCY1HH471JY	J 470p	50V Ceramic	AA
C4567	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C4568	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4569	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4570	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C4571	VCCCCY1HH102JY	J 1000p	50V Ceramic	AB
C4572	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4573	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C4574	VCE9PF1CW106MY	J 10	16V Elect.(N.P)	AC
C4575	VCE9PF1CW106MY	J 10	16V Elect.(N.P)	AC
C4576	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7001	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7002	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7003	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7004	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7005	VCEAPF1CW476MY	J 47	16V Electrolytic	AC
C7006	VCEAPF0JW107MY	J 100	6.3V Electrolytic	AC
C7007	VCEAPF0JW107MY	J 100	6.3V Electrolytic	AC
C7008	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7009	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C7011	VCEAPF1CW106MY	J 10	16V Electrolytic	AB
C7012	VCEAPF0JW107MY	J 100	6.3V Electrolytic	AC
C7013	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7014	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7015	VCEAPF1EW226MY	J 22	25V Electrolytic	AD
C7016	VCEAPF1EW226MY	J 22	25V Electrolytic	AD
C7017	VCEAPF1EW226MY	J 22	25V Electrolytic	AD
C7018	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7019	VCEAPF1EW226MY	J 22	25V Electrolytic	AD
C7020	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7025	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7036	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7037	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C7038	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB171FE01									
OUTPUT UNIT(Continued)									
C7039	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	R344	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
C7041	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R345	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA
C7042	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R347	VRS-CY1JF154JY	J	150k 1/16W Metal Oxide	AA
C7043	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R348	VRS-CY1JF154JY	J	150k 1/16W Metal Oxide	AA
C7044	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R349	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
C7045	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R350	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
C7046	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R351	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
C7047	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R352	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
C7048	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R353	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
C7049	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R354	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
C7050	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R355	VRS-CY1JF681JY	J	680 1/16W Metal Oxide	AA
C7051	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R356	VRS-CY1JF681JY	J	680 1/16W Metal Oxide	AA
C7052	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R357	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
C7053	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R358	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
C7054	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1101	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C7055	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1102	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C7056	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1103	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
C7057	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1104	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
C7058	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1105	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C7059	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1107	VRS-CY1JF680JY	J	68 1/16W Metal Oxide	AA
C7060	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1108	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C7061	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1109	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C7062	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1110	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
C7063	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1111	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
C7064	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1112	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C7065	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1113	VRS-CY1JF680JY	J	68 1/16W Metal Oxide	AA
C7066	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1114	VRS-CY1JF270JY	J	27 1/16W Metal Oxide	AA
C7067	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1115	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
C7068	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1116	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
C7069	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1117	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
C7070	VCCCCY1HH120JY	J	12p 50V Ceramic	AA	R1119	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
RESISTORS					R1120	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R301	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA	R1121	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R302	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	R1122	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R303	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA	R1123	VRS-CY1JF203FY	J	20k 1/16W Metal Oxide	AA
R304	VRS-CE3AF1R0JY	J	1 1W Metal Oxide	AC	R1124	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R305	VRS-TX2HF2R2JY	J	2.2 1/2W Metal Oxide	AB	R1125	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R306	VRS-TX2HF2R2JY	J	2.2 1/2W Metal Oxide	AB	R1126	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R307	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA	R1127	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R308	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA	R1128	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R310	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA	R1129	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R311	VRS-CY1JF432JY	J	4.3k 1/16W Metal Oxide	AA	R1130	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R313	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R1131	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R314	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R1132	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R315	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	R1133	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R316	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	R1134	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R317	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R1135	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R318	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	R1136	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R319	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	R1137	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R320	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	R1138	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R321	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	R1139	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R322	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA	R1140	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R323	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA	R1141	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R324	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA	R1142	VRS-CY1JF3R3JY	J	3.3 1/16W Metal Oxide	AA
R325	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	R1144	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R326	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA	R1145	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
R327	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA	R1146	VRS-CA1JF332JY	J	3.3k 1/16W Metal Oxide	AB
R328	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA	R1147	VRS-CY1JF203FY	J	20k 1/16W Metal Oxide	AA
R329	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA	R1148	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R330	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	R1149	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R331	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA	R1150	VRS-CY1JF203FY	J	20k 1/16W Metal Oxide	AA
R332	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA	R1151	VRS-CY1JF203FY	J	20k 1/16W Metal Oxide	AA
R335	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA	R1152	VRS-CY1JF153FY	J	15k 1/16W Metal Oxide	AA
R336	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA	R1153	VRS-CY1JF153FY	J	15k 1/16W Metal Oxide	AA
R337	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	R1154	VRS-CY1JF153FY	J	15k 1/16W Metal Oxide	AA
R338	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA	R1155	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R339	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA	R1156	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R340	VRS-CY1JF224JY	J	220k 1/16W Metal Oxide	AA	R1157	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R342	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA	R1158	VRS-CY1JF562FY	J	5.6k 1/16W Metal Oxide	AA
R343	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA	R1159	VRS-CY1JF562FY	J	5.6k 1/16W Metal Oxide	AA
					R1160	VRS-CY1JF562FY	J	5.6k 1/16W Metal Oxide	AA
					R1161	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
					R1162	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
					R1164	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
					R1165	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB171FE01									
OUTPUT UNIT(Continued)									
R2701	VRS-CA1JF101JY	J	100 1/16W	Metal Oxide AA	R4561	VRS-CY1JF223JY	J	22k 1/16W	Metal Oxide AA
R2703	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R4562	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA
R2704	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R4563	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA
R2705	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R4564	VRS-CY1JF393JY	J	39k 1/16W	Metal Oxide AA
R2706	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R4565	VRS-CY1JF274JY	J	270k 1/16W	Metal Oxide AA
R2707	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R4566	VRS-CY1JF683JY	J	68k 1/16W	Metal Oxide AA
R2708	VRS-CA1JF101JY	J	100 1/16W	Metal Oxide AA	R4567	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R2711	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R4568	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R2712	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R4569	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R2713	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R4570	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R2714	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R4571	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA
R2715	VRS-CY1JF272JY	J	2.7k 1/16W	Metal Oxide AA	R4572	VRS-CY1JF105JY	J	1M 1/16W	Metal Oxide AA
R2716	VRS-CA1JF101JY	J	100 1/16W	Metal Oxide AA	R4574	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R2718	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R4575	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R2721	VRS-CY1JF473FY	J	47k 1/16W	Metal Oxide AA	R4576	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R2722	VRS-CY1JF473FY	J	47k 1/16W	Metal Oxide AA	R4577	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA
R2723	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA	R4578	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R2724	VRS-CY1JF272JY	J	2.7k 1/16W	Metal Oxide AA	R4580	VRS-CY1JF394JY	J	390k 1/16W	Metal Oxide AA
R2726	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R4581	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R2727	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R4585	VRS-CY1JF104JY	J	100k 1/16W	Metal Oxide AA
R2751	VRS-CA1JF101JY	J	100 1/16W	Metal Oxide AA	R4586	VRS-CY1JF821JY	J	820 1/16W	Metal Oxide AA
R2752	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R4587	VRS-CY1JF104JY	J	100k 1/16W	Metal Oxide AA
R2753	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R4590	VRS-CY1JF105JY	J	1M 1/16W	Metal Oxide AA
R2754	VRS-CY1JF103FY	J	10k 1/16W	Metal Oxide AA	R4592	VRS-CY1JF105JY	J	1M 1/16W	Metal Oxide AA
R2755	VRS-CY1JF332FY	J	3.3k 1/16W	Metal Oxide AA	R4593	VRS-CY1JF105JY	J	1M 1/16W	Metal Oxide AA
R2756	VRS-CY1JF224FY	J	220k 1/16W	Metal Oxide AA	R4594	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA
R2757	VRS-CY1JF333FY	J	33k 1/16W	Metal Oxide AA	R7001	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R2758	VRS-CE3AF1R0JY	J	1 1W	Metal Oxide AC	R7002	VRS-TX2HF1R0JY	J	1 1/2W	Metal Oxide AB
R2759	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA	R7004	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide AA
R2760	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R7005	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide AA
R2761	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R7009	VRS-CY1JF101JY	J	100 1/16W	Metal Oxide AA
R2762	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	R7010	VRS-TX2HF1R0JY	J	1 1/2W	Metal Oxide AB
R2763	VRS-CY1JF393JY	J	39k 1/16W	Metal Oxide AA	R7011	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R2767	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R7012	VRS-TX2HF1R0JY	J	1 1/2W	Metal Oxide AB
R2770	VRS-CY1JF182JY	J	1.8k 1/16W	Metal Oxide AA	R7013	VRS-CY1JF683FY	J	68k 1/16W	Metal Oxide AA
R2771	VRS-CY1JF392JY	J	3.9k 1/16W	Metal Oxide AA	R7014	VRS-CY1JF822FY	J	8.2k 1/16W	Metal Oxide AA
R2772	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R7015	VRS-CY1JF152FY	J	1.5k 1/16W	Metal Oxide AA
R2773	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R7016	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R2774	VRS-CY1JF104JY	J	100k 1/16W	Metal Oxide AA	R7018	VRS-CY1JF683FY	J	68k 1/16W	Metal Oxide AA
R4501	VRS-CY1JF105JY	J	1M 1/16W	Metal Oxide AA	R7019	VRS-CY1JF682FY	J	6.8k 1/16W	Metal Oxide AA
R4502	VRS-CY1JF105JY	J	1M 1/16W	Metal Oxide AA	R7020	VRS-CY1JF152FY	J	1.5k 1/16W	Metal Oxide AA
R4503	VRS-CY1JF105JY	J	1M 1/16W	Metal Oxide AA	R7021	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4504	VRS-CY1JF470JY	J	47 1/16W	Metal Oxide AA	R7022	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4505	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R7023	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4506	VRS-CY1JF470JY	J	47 1/16W	Metal Oxide AA	R7024	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4507	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R7026	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4518	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA	R7027	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4519	VRS-CY1JF471JY	J	470 1/16W	Metal Oxide AA	R7028	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4520	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R7029	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4521	VRS-CY1JF222JY	J	2.2k 1/16W	Metal Oxide AA	R7030	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4522	VRS-CY1JF473JY	J	47k 1/16W	Metal Oxide AA	R7031	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4523	VRS-CY1JF224JY	J	220k 1/16W	Metal Oxide AA	R7032	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4524	VRS-CY1JF221JY	J	220 1/16W	Metal Oxide AA	R7033	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4542	VRS-CY1JF152JY	J	1.5k 1/16W	Metal Oxide AA	R7034	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4543	VRS-CY1JF911JY	J	910 1/16W	Metal Oxide AB	R7035	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4544	VRS-CY1JF182JY	J	1.8k 1/16W	Metal Oxide AA	R7040	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R4545	VRS-CY1JF182FY	J	1.8k 1/16W	Metal Oxide AA	R7041	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R4546	VRS-CY1JF221FY	J	220 1/16W	Metal Oxide AA	R7042	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA
R4547	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R7043	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R4548	VRS-CY1JF273JY	J	27k 1/16W	Metal Oxide AA	R7044	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA
R4549	VRS-CY1JF183JY	J	18k 1/16W	Metal Oxide AA	R7045	VRS-CY1JF472JY	J	4.7k 1/16W	Metal Oxide AA
R4550	VRS-CY1JF102FY	J	1k 1/16W	Metal Oxide AA	R7046	VRS-CY1JF121JY	J	120 1/16W	Metal Oxide AA
R4551	VRS-TV1JD000JY	J	0 1/16W	Metal Oxide AA	R7047	VRS-CY1JF121JY	J	120 1/16W	Metal Oxide AA
R4553	VRS-CY1JF000JY	J	0 1/16W	Metal Oxide AA	R7048	VRS-TV1JD121JY	J	120 1/16W	Metal Oxide AA
R4554	VRS-CY1JF102JY	J	1k 1/16W	Metal Oxide AA	R7049	VRS-TV1JD121JY	J	120 1/16W	Metal Oxide AA
R4555	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R7050	VRN-CY1JF103DY	J	10k 1/16W	Metal Film AA
R4556	VRS-CY1JF682JY	J	6.8k 1/16W	Metal Oxide AA	R7054	VRN-CY1JF103DY	J	10k 1/16W	Metal Film AA
R4557	VRS-CY1JF223JY	J	22k 1/16W	Metal Oxide AA	R7058	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA
R4558	VRS-CY1JF393JY	J	39k 1/16W	Metal Oxide AA	R7061	VRS-CB1JF100JY	J	10 1/16W	Metal Oxide AA
R4559	VRS-CY1JF393JY	J	39k 1/16W	Metal Oxide AA	R7062	VRS-CY1JF100JY	J	10 1/16W	Metal Oxide AA
R4560	VRS-CY1JF103JY	J	10k 1/16W	Metal Oxide AA	R7063	VRS-CA1JF100JY	J	10 1/16W	Metal Oxide AA
					R7064	VRS-CB1JF100JY	J	10 1/16W	Metal Oxide AA
					R7065	VRS-CB1JF100JY	J	10 1/16W	Metal Oxide AA
					R7066	VRS-CB1JF100JY	J	10 1/16W	Metal Oxide AA
					R7067	VRS-CB1JF100JY	J	10 1/16W	Metal Oxide AA

Ref. No.	Part No.	★	Description	Code
DUNTKB171FE01				
OUTPUT UNIT(Continued)				
R7068	VRS-CA1JF100JY	J	10 1/16W Metal Oxide	AA
R7069	VRS-CB1JF100JY	J	10 1/16W Metal Oxide	AA
R7070	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA
R7071	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7083	VRS-TX2HF1R0JY	J	1 1/2W Metal Oxide	AB
R7085	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
SWITCH				
S2601	QSW-KA001WJZZY	J	Key Switch	AD
MISCELLANEOUS PARTS				
FB301	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB302	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB1101	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1102	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1104	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1105	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1106	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1201	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1202	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1204	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1205	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1206	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1301	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1302	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1304	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1305	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB1306	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB2401	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB2751	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB2753	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB4503	RBLN-0061TAZZY	J	Ferrite Bead	AD
FB7001	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7002	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7003	RBLN-0065TAZZY	J	Ferrite Bead	AA
FB7004	RBLN-0065TAZZY	J	Ferrite Bead	AA
P301	QPLGN0474TAZZY	J	Plug, 4-pin(SO1)	AD
P1301	QPLGN0463TAZZY	J	Plug, 4-pin	AC
P2601	QPLGN1363TAZZY	J	Plug, 13-pin(KY1)	AD
P2602	QPLGN0363TAZZY	J	Plug, 3-pin(RC)	AC
P2603	QPLGN0198FJZZY	J	Lead Relay Plug	AD
P2751	QPLGN1174TAZZY	J	Plug, 11-pin(EB1)	AE
P2752	QPLGN0364TAZZY	J	Plug, 3-pin(FD)	AC
P3102	QCNCM3021TAZZ	J	Plug, 30-pin(IA)	AL
P3602	QCNCM2021TAZZ	J	Plug, 20-pin(IB)	AH
P7001	QPLGNA008WJZZ	J	Plug, 24-pin(EA)	AD
P7002	QPLGN0264TAZZY	J	Plug, 2-pin(L1)	AC
P7003	QPLGN0264TAZZY	J	Plug, 2-pin(L2)	AC
P7004	QPLGN0264TAZZY	J	Plug, 2-pin(L3)	AC
P7005	QLUGHA001WJZZY	J	Lug	AD
P8001	QCNCMA019WJZZY	J	Plug, 80-pin(PCO)	AH
P8002	QCNCMA019WJZZY	J	Plug, 80-pin(PC1)	AH
SC1101	QSOCN3271TAZZY	J	Socket, 32-pin(RP)	AE
SC1201	QSOCN3271TAZZY	J	Socket, 32-pin(GP)	AE
SC1301	QSOCN3271TAZZY	J	Socket, 32-pin(BP)	AE
	GCOVHA014WJKZ	J	Cover	AD
	LANGTA005WJFW	J	Angle, x2	AE
	LANGTA006WJFW	J	Angle, x1	AG
	XBPSD30P06R00	J	Screw, x3	AB

Ref. No.	Part No.	★	Description	Code
DUNTKB172DE01				
KEY UNIT				
TRANSISTORS				
Q2201	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2202	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2203	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2204	VSDTC144EUA-1Y	J	DTC144EUA	AB
Q2205	VSDTC144EUA-1Y	J	DTC144EUA	AB
DIODES				
D2201	RH-PX0210TAZZY	J	Power Indicator	AC
D2202	RH-PX0210TAZZY	J	Lamp Replacement Indicator	AC
D2203	RH-PX0210TAZZY	J	Temperature Warning Indicator	AC
CAPACITORS				
C2201	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2202	VCKYTV1EF104ZY	J	0.1 25V Ceramic	AB
RESISTORS				
R2201	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2208	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2210	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2211	VRS-CY1JF751FY	J	750 1/16W Metal Oxide	AA
R2213	VRS-TW2ED471JY	J	470 1/4W Metal Oxide	AA
R2214	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R2215	VRS-TW2ED471JY	J	470 1/4W Metal Oxide	AA
R2216	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R2217	VRS-TW2ED122JY	J	1.2k 1/4W Metal Oxide	AA
R2218	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2219	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2220	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R2221	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R2222	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R2223	VRS-CY1JF472FY	J	4.7k 1/16W Metal Oxide	AA
R2224	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R2225	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
SWITCHES				
S2201	QSW-KA001WJZZY	J	Power(ON)	AD
S2204	QSW-KA001WJZZY	J	MENU	AD
S2205	QSW-KA001WJZZY	J	RIGHT	AD
S2206	QSW-KA001WJZZY	J	AUTO SYNC	AD
S2207	QSW-KA001WJZZY	J	DOWN	AD
S2208	QSW-KA001WJZZY	J	ENTER	AD
S2209	QSW-KA001WJZZY	J	KEY STONE	AD
S2210	QSW-KA001WJZZY	J	UNDO	AD
S2211	QSW-KA001WJZZY	J	LEFT	AD
S2212	QSW-KA001WJZZY	J	UP	AD
S2213	QSW-KA001WJZZY	J	Power(OFF)	AD
S2214	QSW-KA001WJZZY	J	INPUT	AD
MISCELLANEOUS PARTS				
P2201	QPLGN1363TAZZY	J	Plug, 13-pin(KYO)	AD
P2203	QPLGN0364TAZZY	J	Lead Relay Plug	AC
	QCNCW-A496WJZZ	J	Connecting Cord	AG
	QCNCW-A899WJZZ	J	Connecting Cord	AD

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB173DE01					RUNTKA021WJZZ				
R/C RECEIVER UNIT					AC INLET UNIT				
CAPACITORS					DIODES				
C5591	VCEASM0JW107MY	J	100 6.3V Electrolytic	AC	D701	95KUBA0005KZ	J	Diode	AB
C5592	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA	Z701	95KUER0002ZZ	J	Varistor	
RESISTORS					COILS				
R5591	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA	L701	95KUKZ1138ZZ	J	Inductor	
R5592	VRS-CY1JF220JY	J	22 1/16W Metal Oxide	AA	L702	95KUKZ1138ZZ	J	Inductor	
MISCELLANEOUS PARTS					CAPACITORS				
P5591	QPLGN0363TAZZY	J	Plug, 3-pin(RC)	AC	C701	95KUGFM474KR	J	0.47 275V Film	
RMC5591	RRMCU0239CEZZ	J	R/C Receiver	AG	C702	95KUGFM474KR	J	0.47 275V Film	
	PSLDC3117CEFW	J	Shield	AD	C703	95KUGZ1016ZZ	J	4700p Ceramic	AD
	QCNW-A495WJZZ	J	Connecting Cord	AD	C704	95KUGZ1016ZZ	J	4700p Ceramic	AD
					C758	95KUGZ1016ZZ	J	4700p Ceramic	AD
					C759	95KUGZ1016ZZ	J	4700p Ceramic	AD
					RESISTORS				
					R701	95KUEEC105CH	J	470k 1/2W Metal Oxide	AB
					R702	95KUEBZ3R9J	J	3.9 5W Fuse Resistor	
					MISCELLANEOUS PARTS				
					RL701	95KPHZ0205ZZ	J	Relay	
					MT701	95KLRZ6866ZQ	J	Angle	
					MD702	95KGZZ5491ZZ	J	Shide	
					SC701	95KRAA3060AZ	J	Socket	
					SC702	95KRAB3060AB	J	Socket	AA
					SC703	95KRAZ4141ZT	J	Socket	
					F701	95KPJCTP1002	J	Fuse, 10A/250V	
					CN701	95KPZZ1018ZZ	J	Inlet	
					CN702	95KPCZ0278ZZ	J	Connector, 3-pin	
					CN703	95KPKZ0741ZZ	J	Connector, 2-pin	AB
					CN709	95KEDB7717ZZ	J	Connector	

Ref. No.	Part No.	★	Description	Code
RUNTKA026WJZZ				
FAN UNIT				
INTEGRATED CIRCUITS				
IC381	VHITDA7056A-1	J	TDA7056A	AP
IC7201	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7202	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7203	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7204	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
IC7205	VHiPQ20WZ11-1Y	J	PQ20WZ1U	AF
TRANSISTORS				
Q7201	VS2SA1036KR-1Y	J	2SA1036KT146R	AC
Q7202	VS2SC3928AR-1Y	J	2SC3928AR	AB
DIODES				
D7201	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7202	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7203	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7204	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7205	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7206	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7207	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7208	VHDDAN202K/-1Y	J	DAN202KT146	AB
D7209	VHDDAN202K/-1Y	J	DAN202KT146	AB
CAPACITORS				
C831	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AC
C382	VCEASM1CW107MYJ	100	16V Electrolytic	AD
C384	VCEASM1CW106MYJ	10	16V Electrolytic	AC
C385	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7201	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7202	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C7203	VCEASM1CW107MYJ	100	16V Electrolytic	AD
C7204	VCEASM1CW476MYJ	47	16V Electrolytic	AC
C7205	VCEASM1CW476MYJ	47	16V Electrolytic	AC
C7206	VCEASM1CW476MYJ	47	16V Electrolytic	AC
C7207	VCEASM1CW476MYJ	47	16V Electrolytic	AC
C7208	VCEASM1CW476MYJ	47	16V Electrolytic	AC
C7209	VCEASM1CW226MYJ	22	16V Electrolytic	AC
C7210	VCE9PF1CW336MY	J	33 16V Elect. (N.P)	AD
RESISTORS				
R381	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R382	VRS-TX2HF8R2JY	J	8.2 1/2W Metal Oxide	AB
R384	VRS-CY1JF681Y	J	680 1/16W Metal Oxide	AA
R7202	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7203	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7204	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7206	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R7207	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7209	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7210	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7211	VRS-CY1JF302FY	J	3k 1/16W Metal Oxide	AA
R7212	VRS-CY1JF104FY	J	100k 1/16W Metal Oxide	AA
R7215	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7216	VRS-CY1JF822FY	J	8.2k 1/16W Metal Oxide	AA
R7217	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7219	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R7220	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7222	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7223	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R7224	VRS-CY1JF272FY	J	2.7k 1/16W Metal Oxide	AA
R7225	VRS-CY1JF823FY	J	82k 1/16W Metal Oxide	AA
R7227	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7229	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7230	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA
R7231	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA
R7232	VRS-CY1JF105FY	J	1M 1/16W Metal Oxide	AA
R7233	VRS-CY1JF183FY	J	18k 1/16W Metal Oxide	AA
R7234	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7235	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7236	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7237	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R7239	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7240	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7241	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R7244	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7245	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R7246	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7247	VRS-CY1JF273JY	J	27k 1/16W Metal Oxide	AA
R7248	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7249	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R7250	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA
R7251	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R7252	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R7255	VRS-CY1JF333FY	J	33k 1/16W Metal Oxide	AA
MISCELLANEOUS PARTS				
FB381	RBLN-0064TAZZY	J	Ferrite Bead	AB
FB7201	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7202	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7203	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7204	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7205	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7206	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7207	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7208	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7209	RBLN-0062CEZZY	J	Ferrite Bead	AC
FB7210	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7211	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7212	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7213	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7214	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7215	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7216	RBLN-0059CEZZY	J	Ferrite Bead	AB
FB7217	RBLN-0210TAZZY	J	Ferrite Bead	AB
FB7218	RBLN-0059CEZZY	J	Ferrite Bead	AB
P381	QPLGN0474TAZZY	J	Plug, 4-pin (SOO)	AD
P382	QPLGN0539FJZZY	J	Plug, 2-pin (SP)	AD
P7201	QPLGN1174TAZZY	J	Plug, 11-pin (EBO)	AE
P7202	QPLGN0363TAZZY	J	Plug, 3-pin (RT)	AC
P7203	QPLGN0263AZZY	J	Plug, 2-pin (PT)	AB
P7204	QPLGN0458REZZY	J	Plug, 4-pin (FL)	AD
P7205	QPLGN0565FJZZY	J	Plug, 3-pin (FP)	AD
P7206	QPLGN0566FJZZY	J	Plug, 4-pin (FI)	AD
P7207	QPLGN0463TAZZY	J	Plug, 4-pin (FR)	AC
P7208	QPLGN0364TAZZY	J	Plug, 3-pin (FG)	AC
P7209	QPLGN0364TAZZY	J	Plug, 3-pin (FB)	AC
P7210	QPLGN0566FJZZY	J	Plug, 4-pin (FE)	AD

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
RDENCA011WJZZ					COILS				
POWER UNIT					L703	95KUKZ0789ZZ	J	Inductor	
INTEGRATED CIRCUITS					L704	95KUKZ1141ZZ	J	Inductor	
IC701	95KUCB0237AZ	J	MIP290		L705	95KUKZ1140ZZ	J	Inductor	
IC702	95KUCY0006AM	J	UPC1093T	AG	L7701	95KULZ1142ZZ	J	Coil	
IC703	95KUCY0136AZ	J	FA5501N		L7702	95KULZ1142ZZ	J	Coil	
IC704	95KUCY0021AK	J	M5233FP	AF	TRANSFORMERS				
IC705	95KUCC0013DZ	J	UPC78N12H	AM	△ T701	95K829205033	J	Transformer	
IC706	95KUCY0116AK	J	FA3641N		T702	95KUKZ1139ZZ	J	Transformer	
IC707	95KUCY0006AM	J	UPC1093T	AG	△ T703	95K829205032	J	Transformer	
IC708	95KUCY0021AK	J	M5233FP	AF	CONTROL				
IC7701	95KUCY0149AK	J	FA7703		VR701	95KUFA224DB	J	Control	
IC7702	95KUAG0236AZ	J	SI4431ADY		CAPACITORS				
IC7703	95KUAG0236AZ	J	SI4431ADY		C705	95KUGA0439ZZ	J	3.3 400V Electrolytic	
TRANSISTORS					C706	95KUGA0440ZZ	J	150 6.3V Electrolytic	
Q701	95KUAG0226AB	J	FS14KM-12A		C707	95KUGXGFD104	J	0.1 50V Ceramic	
Q702	95KUAY0041AM	J	2SA1797		C708	95KUGXGCF103	J	0.01 50V Ceramic	
Q703	95KUAG0226AB	J	FS14KM-12A		C710	95KUGA0429ZZ	J	820 6.3V Electrolytic	
Q704	95KUAY0041AM	J	2SA1797		C712	95KUGZ1336ZZ	J	2.2 450V Film	
Q705	95KUAG0146DZ	J	2SK2480		C713	95KUGXGCF102	J	0.001 50V Ceramic	
Q706	95KUAY0012AK	J	2SA812	AB	C714	95KUGXAED474	J	0.47 25W Ceramic	
Q707	95KUAY0013AK	J	2SC1623	AB	C715	95KUGXGCF103	J	0.01 50V Ceramic	
Q708	95KUAY0013AK	J	2SC1623	AB	C716	95KUGXKEF224	J	0.22 25V Ceramic	
Q7701	95KUAY0013AM	J	2SC1623		C717	95KUGXGCF103	J	0.01 50V Ceramic	
Q7702	95KUAD0132AK	J	2SD2150		C718	95KUGXGFD333	J	0.033 25V Electrolytic	
Q7703	95KUAY0136AK	J	2SB1424		C719	95KUGXGCF102	J	0.001 1kV Ceramic	
Q7704	95KUAD0132AK	J	2SD2150		C720	95KUGA0441ZZ	J	39 35V Electrolytic	
Q7705	95KUAY0136AK	J	2SB1424		C721	95KUGCU102EM	J	1000p 1kV Ceramic	
DIODES					C722	95KUGA0431ZZ	J	330 220V Electrolytic	
D702	95KUBY0088AK	J	Diode		C723	95KUGCU102EM	J	1000p 1kV Ceramic	
D703	95KUBY0020AK	J	Diode	AC	C724	95KUGA0432ZZ	J	56 25V Electrolytic	
D704	95KUBB0206EZ	J	Diode	AN	C725	95KUGCU472BW	J	4700p 1kV Ceramic	AD
D705	95KUBY0033BK	J	Diode		C726	95KUGA0441ZZ	J	39 35V Electrolytic	
D706	95KUBY0033BK	J	Diode		C727	95KUGZ1251ZZ	J	47p 2kV Ceramic	
D707	95KUBC0284BZ	J	Diode	AP	C728	95KUGXGCF472	J	0.0047 50V Ceramic	
D708	95KUBY0020AK	J	Diode	AC	C729	95KUGXKHB106	J	10 10V Ceramic	
D709	95KUBY0047AK	J	Diode		C730	95KUGXGCF102	J	1000p 50V Ceramic	
D710	95KUBY0045AK	J	Diode		C731	95KUGXAED224	J	0.22 25V Ceramic	
D711	95KUBY0045AK	J	Diode		C732	95KUGXAED474	J	0.47 25V Ceramic	
D712	95KUBY0020AK	J	Diode	AC	C733	95KUGXGFD104	J	0.1 25V Ceramic	
D713	95KUBY0020AK	J	Diode	AC	C734	95KUGXGCF152	J	1500p 50V Ceramic	
D714	95KUBA0039AZ	J	Diode	AC	C736	95KUGXKJT102	J	1000p 630V Ceramic	
D715	95KUBB0166BZ	J	Diode		C737	95KUGA0433ZZ	J	1000 10V Electrolytic	
D716	95KUBC0264BE	J	Zener Diode	AD	C738	95KUGA0433ZZ	J	1000 16V Electrolytic	
D717	95KUBB0194AZ	J	Diode	AG	C739	95KUGA0434ZZ	J	56 16V Electrolytic	
D718	95KUBC0125DK	J	Zener Diode	AB	C741	95KUGA0435ZZ	J	220 25V Electrolytic	
D719	95KUBY0043AK	J	Diode		C743	95KUGA0436ZZ	J	680 16V Electrolytic	
D720	95KUBC0125DK	J	Zener Diode	AB	C744	95KUGXGFD104	J	0.1 25V Ceramic	
D721	95KUBC0125DK	J	Zener Diode	AB	C745	95KUGA0249ZZ	J	100 10V Electrolytic	
D722	95KUBY0020AK	J	Diode	AC	C746	95KUGA0249ZZ	J	100 10V Electrolytic	
D723	95KUBC0163BK	J	Zener Diode		C747	95KUGA0437ZZ	J	68 25V Electrolytic	
D7701	95KUBY0068AZ	J	Diode		C748	95KUGXHEA105	J	1 6.3V Ceramic	
D7702	95KUBY0068AZ	J	Diode		C749	95KUGXHEA105	J	1 6.3V Ceramic	
ZD701	95KUBDAK8R2B	J	Zener Diode	AB	C750	95KUGXGFD104	J	0.1 50V Ceramic	
ZD702	95KUBXAD6R2C	J	Zener Diode	AD	C751	95KUGXGFD104	J	0.1 25V Ceramic	
ZD703	95KUBXAD150A	J	Zener Diode		C752	95KUGXHEA105	J	1 6.3V Ceramic	
ZD704	95KUBXAD180A	J	Zener Diode		C753	95KUGXGFD104	J	0.1 25V Ceramic	
ZD705	95KUBXAD270A	J	Zener Diode	AD	C754	95KUGXGCF102	J	1000p 50V Ceramic	
ZD707	95KUBXAD3R3C	J	Zener Diode		△ C755	95KUGZ1016ZZ	J	4700p 50V Ceramic	AD
ZD708	95KUBXBK3R9C	J	Zener Diode		C757	95KUGXGFD104	J	0.1 25V Ceramic	
ZD706	95KUBLBL170A	J	Zener Diode		△ C761	95KUGZ1016ZZ	J	4700p 50V Ceramic	AD
PACKAGED CIRCUITS					C762	95KUGXKMS101	J	100p 500V Ceramic	
△ PC701	95KUDC0163BB	J	Photo Coupler	AH	C763	95KUGXKMS101	J	100p 500V Ceramic	
△ PC702	95KUDC0163BB	J	Photo Coupler	AH	C7701	95KUGXKKD106	J	10 25V Ceramic	
△ PC703	95KUDC0163BB	J	Photo Coupler	AH	C7702	95KUGXKHB106	J	10 10V Ceramic	
△ PC704	95KUDC0163BB	J	Photo Coupler	AH	C7703	95KUGXGCC104	J	0.1 16V Ceramic	
					C7704	95KUGXGFD473	J	0.047 16V Ceramic	
					C7705	95KUGXKHB105	J	1 10V Ceramic	
					C7706	95KUGXGFD104	J	0.1 25V Ceramic	
					C7707	95KUGXKHB106	J	10 10V Ceramic	
					C7708	95KUGXGFD473	J	0.047 16V Ceramic	

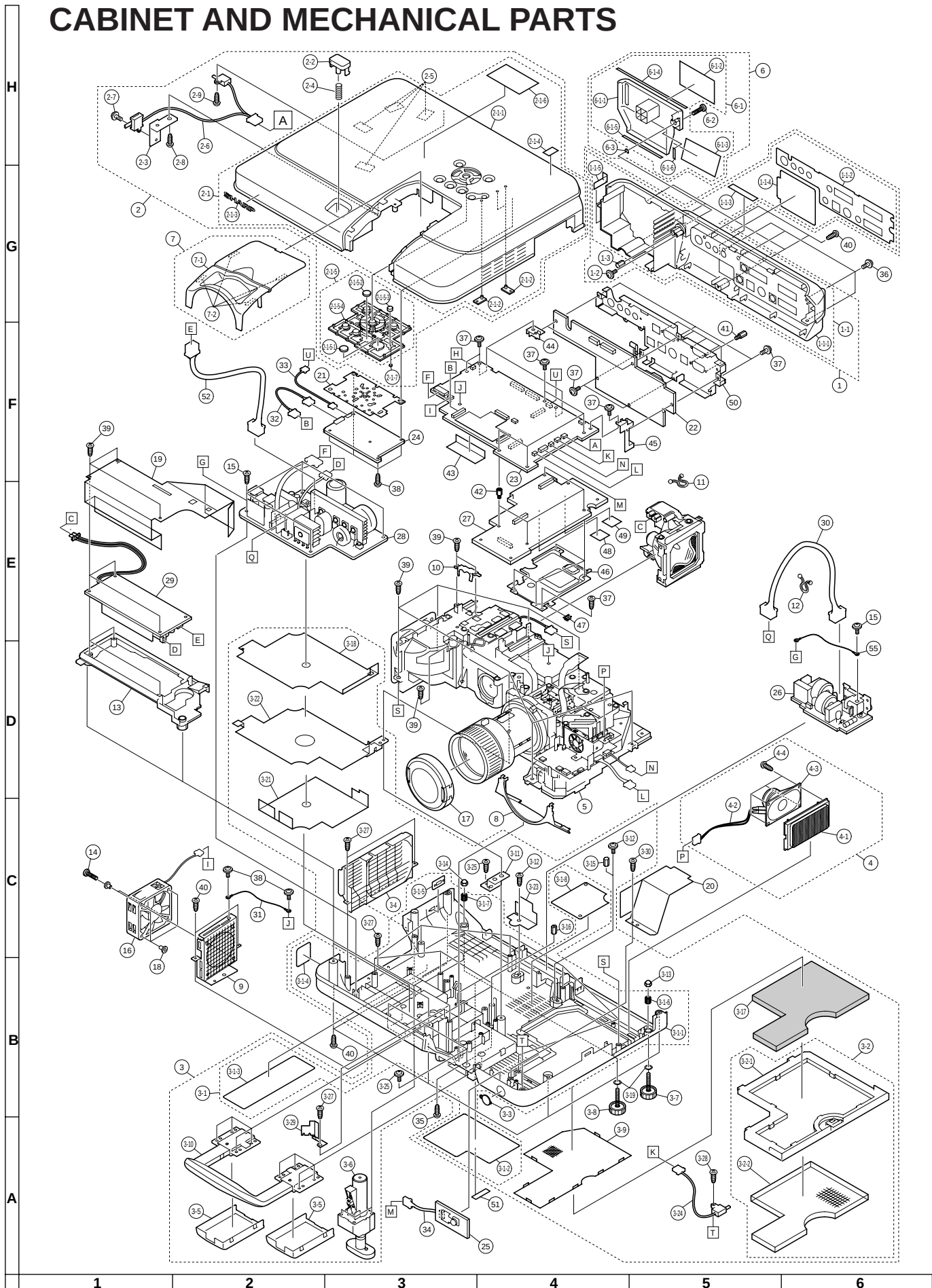
Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
RDENCA011WJZZ									
POWER UNIT (Continued)									
RESISTORS									
R703	95KUEXBAH221	J	220 1/16W Chip		R778	95KUEXBAH164	J	160k 1/16W Chip	
R704	95KUEXBAH122	J	1.2k 1/16W Chip		R779	95KUEXBAH103	J	10k 1/16W Chip	
R705	95KUEYCH1003	J	100k 1/16W Chip		R780	95KUEXBAH122	J	1.2k 1/16W Chip	
R706	95KUEYCH1003	J	100k 1/16W Chip		R782	95KUEXBAH122	J	1.2k 1/16W Chip	
R708	95KUEYCH1002	J	10k 1/16W Chip		R783	95KUEXBAH122	J	1.2k 1/16W Chip	
R710	95KUESGR15DT	J	0.15 5W Chip		R784	95KUEXDAK563	J	56k 1/8W Chip	AB
R711	95KUEXDAK100	J	10 1/4W Chip		R785	95KUEXDAK563	J	56k 1/8W Chip	AB
R712	95KUEXDAK100	J	10 1/4W Chip		R7701	95KUEXBAH123	J	12k 1/16W Chip	
R713	95KUEXDAK474	J	470k 1/4W Chip		R7702	95KUEXBAH123	J	12k 1/16W Chip	
R714	95KUEXDAK474	J	470k 1/4W Chip		R7703	95KUEXBAH682	J	6.8k 1/16W Chip	
R715	95KUEXDAK394	J	390k 1/4W Chip		R7704	95KUEXBAH153	J	15k 1/16W Chip	
R716	95KUEXBAH123	J	12k 1/16W Chip		R7705	95KUEXBAH102	J	1k 1/16W Chip	
R717	95KUEXDAK684	J	680k 1/4W Chip		R7706	95KUEYCH2701	J	2.7k 1/16W Chip	
R718	95KUEXDAK564	J	560k 1/4W Chip		R7707	95KUEYCH1201	J	1.2k 1/16W Chip	
R719	95KUEXDAK564	J	560k 1/4W Chip		R7708	95KUEXBAH123	J	12k 1/16W Chip	
R720	95KUEXBAH133	J	13k 1/16W Chip		R7709	95KUEXBAH102	J	1k 1/16W Chip	
R721	95KUEXBAH181	J	82 1/16W Chip		R7710	95KUEYCH1501	J	1.5k 1/16W Chip	
R722	95KUEXBAH223	J	22k 1/16W Chip		R7711	95KUEYCH1001	J	1k 1/16W Chip	
R723	95KUEXBAH103	J	10k 1/16W Chip		R7712	95KUEXBAH103	J	12k 1/16W Chip	
R724	95KUEXBAH681	J	330 1/16W Chip		R7713	95KUEXBAH682	J	6.8k 1/16W Chip	
R725	95KUEXDAK334	J	330k 1/4W Chip		R7714	95KUEXBAH103	J	10k 1/16W Chip	
R726	95KUEXDAK334	J	15k 1/4W Chip		R7715	95KUEXDAK121	J	120 1/8W Chip	
R727	95KUEXDAK334	J	330k 1/4W Chip		R7716	95KUEXDAK100	J	10 1/8W Chip	
R728	95KUEXBAH153	J	15k 1/16W Chip		R7717	95KUEXDAK121	J	120 1/8W Chip	
R729	95KUEXBAH822	J	8.2k 1/16W Chip		R7718	95KUEXDAK100	J	10 1/8W Chip	
R730	95KUEXBAH124	J	120k 1/16W Chip		R7719	95KUEYCH3300	J	330 1/16W Chip	
R731	95KUEXBAH332	J	6.2k 1/16W Chip		R7720	95KUEYCH2700	J	270 1/16W Chip	
R732	95KUEXBAH332	J	3.3k 1/16W Chip		R7723	95KUEXBAH000	J	0 1/16W Chip	
R733	95KUEXBAH123	J	10k 1/16W Chip		R7724	95KUEXBAH470	J	47 1/16W Chip	
R734	95KUESGR15DT	J	0.15 5W Chip		J701	95KUEXCAS000	J	0 1/8W Chip	AB
R735	95KUEFE154EG	J	150k 1/2W Chip		J702	95KUEXCAS000	J	0 1/8W Chip	AB
R736	95KUEXDAK563	J	560k 1/8W Chip	AB	J7701	95KUEXBAH000	J	0 1/16W Jumper	
R737	95KUEXDAK563	J	560k 1/8W Chip	AB	J7702	95KUEXBAH000	J	0 1/16W Jumper	
R738	95KUEXDAK563	J	560k 1/8W Chip	AB	MISCELLANEOUS PARTS				
R739	95KUEBCR47AG	J	0.47 1/2W Fuse Resistor		FB701	95KBFZ89547Z	J	Ferrite Bead	
R740	95KUEXJAPR22	J	0.22 1/2W Chip		FB702	95KBFZ89547Z	J	Ferrite Bead	
R741	95KPZZ0605ZZ	J	0 1/16W Chip	AA	FB703	95KUKY0014AZ	J	Ferrite Bead	AD
R742	95KPZZ0605ZZ	J	0 1/16W Chip	AA	FB704	95KUKY0014AZ	J	Ferrite bead	AD
R743	95KUEXBAH223	J	22k 1/16W Chip		FB706	95KUKY0014AZ	J	Ferrite Bead	AD
R744	95KUEXBAH103	J	10k 1/16W Chip		FB707	95KUKZ0828ZZ	J	Ferrite Bead	AC
R745	95KUEXBAH273	J	27k 1/16W Chip		FB708	95KUKY0014AZ	J	Ferrite Bead	AD
R746	95KUEXDAK000	J	0 1/4W Chip	AB	FB709	95KUKY0014AZ	J	Ferrite Bead	AD
R747	95KUEXDAK100	J	10 1/4W Chip		FB710	95KUKY0014AZ	J	Ferrite Bead	AD
R748	95KUEXDAK151	J	150 1/16W Chip		△ F703	95KPJT0160ZZ	J	Fuse P130A	AF
R749	95KUEXBAS101	J	100 1/16W Chip		CN704	95KPKZ1102ZZ	J	Plug, 3-pin	AC
R750	95KUEXBAS331	J	330 1/16W Chip		CN-B704	95KECB8034ZZ	J	Plug, 3-pin	
R751	95KUEXBAH472	J	4.7k 1/16W Chip		CN705	95KECB8060ZZ	J	Plug, 5-pin	
R752	95KUEXBAH391	J	390 1/16W Chip		CN706	95KPKZ1135ZZ	J	Plug, 3-pin	
R753	95KUEXBAH473	J	47k 1/16W Chip		CN707	95KECB8036ZZ	J	Plug, 2-pin	
R754	95KUEXBAH103	J	10k 1/16W Chip		CN708	95KECB8037ZZ	J	Plug, 24-pin	
R756	95KUEXBAH222	J	2.2k 1/16W Chip		ET701	95KFBZ0098ZZ	J	Terminal	AC
R757	95KUEXBAH000	J	0 1/10W Chip		△ RL702	95KPHZ0206ZZ	J	Relay	
R758	95KUEXBAH122	J	1.2k 1/16W Chip		MT702	95KLRZ6926ZZ	J	Heat Sink	
R759	95KUEYBG2202	J	22k 1/8W Chip		MT703	95KLRZ6868ZR	J	Heat Sink	
R760	95KUEYBG4701	J	4.7k 1/4W Chip		MT704	95KLRZ6869ZR	J	Heat Sink	
R761	95KUEXDAK122	J	1.2k 1/4W Chip	AB	MD704	95KGZZ5492ZZ	J	Insulating Barrier	
R762	95KUEXBAH104	J	100k 1/16W Chip		SC704	95KRAZ3211ZB	J	Screw, x8	AA
R765	95KUEXBAH152	J	1.5k 1/16W Chip		SC705	95KRBA3024ZB	J	Nut, x2	AA
R766	95KUEXBAH122	J	1.2k 1/16W Chip						
R767	95KUEYCH2703	J	330k 1/16W Chip						
R768	95KUEXBAH122	J	1.2k 1/16W Chip						
R769	95KUEXBAH103	J	11k 1/16W Chip						
R770	95KUEXBAH122	J	1.3k 1/16W Chip						
R771	95KUEXBAH104	J	100k 1/16W Chip						
R772	95KUEXBAH103	J	10k 1/16W Chip						
R773	95KUEXBAH103	J	10k 1/16W Chip						
R774	95KUEXBAH103	J	10k 1/16W Chip						
R775	95KUEBCR10AG	J	1 1/2W Fuse Resistor AE						
R776	95KUEXBAH103	J	10k 1/16W Chip						
R777	95KUEXBAH163	J	16k 1/16W Chip						

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CPCi-A002CE01									
PC I/F UNIT									
INTEGRATED CIRCUITS									
IC8003	9DK001-11020	J	AT24C128N-10SC	AS	C8014	9DK001-42156	J 1	10V Ceramic	AC
IC8004	9DK001-15115	J	PQ05VY3H3Z	AM	C8015	9DK001-42160	J 10	6.3V Ceramic	AB
IC8005	RH-iXA372WJZZQ	J	LH28F640BFE-PBTL90	BE	C8016	9DK001-42157	J 0.1	25V Ceramic	AC
IC8006	9DK001-15118	J	PST9229	AL	C8017	9DK001-42156	J 1	10V Ceramic	AC
IC8007	RH-iXA147WJZZQ	J	HD6417709ABP133V	BK	C8018	9DK001-42163	J 1000p	25V Ceramic	AC
IC8008	9DK001-15112	J	PQ033EZ01	AM	C8019	9DK001-42104	J 470p	50V Ceramic	AC
IC8010	9DK001-15117	J	PST9222	AK	C8020	9DK001-42104	J 470p	50V Ceramic	AC
IC8013	9DK001-15113	J	AD9888-170	BT	C8021	9DK001-40081	J 22	6.3V Electrolytic	AF
IC8015	9DK001-15119	J	SAA7118E	BM	C8022	9DK001-42156	J 1	10V Ceramic	AC
IC8025	RH-iXA091WJZZQ	J	CVIC2(MB87M1370TB-G)	BX	C8023	9DK001-42156	J 1	10V Ceramic	AC
IC8028	9DK001-11028	J	HY57V641620HGT-H	AY	C8024	9DK001-42157	J 0.1	25V Ceramic	AC
IC8029	RH-iX3399CEN1Q	J	IX3399	BM	C8025	9DK001-42160	J 10	6.3V Ceramic	AB
IC8030	9DK001-11028	J	HY57V641620HGT-H	AY	C8026	9DK001-42157	J 0.1	25V Ceramic	AC
IC8319	9DK001-11024	J	HY57V653220BTC-7	BN	C8027	9DK001-42161	J 0.047	25V Ceramic	AB
IC8320	9DK001-11024	J	HY57V653220BTC-7	BN	C8028	9DK001-42161	J 0.047	25V Ceramic	AB
IC8321	9DK001-11024	J	HY57V653220BTC-7	BN	C8029	9DK001-42161	J 0.047	25V Ceramic	AB
IC8322	9DK001-11024	J	HY57V653220BTC-7	BN	C8030	9DK001-42157	J 0.1	25V Ceramic	AC
IC8363	9DK001-12107	J	74VHC153MTC	AK	C8031	9DK001-42156	J 1	10V Ceramic	AC
IC8364	9DK001-15114	J	PQ070XZ01	AN	C8033	9DK001-42156	J 1	10V Ceramic	AE
IC8365	9DK001-12103	J	74LCX157MTC	AK	C8035	9DK001-40089	J 47	6.3V Electrolytic	AE
IC8366	9DK001-12105	J	74LVX125MTC	AK	C8038	9DK001-42161	J 0.047	25V Ceramic	AB
TRANSISTORS					C8039	9DK001-40089	J 47	6.3V Electrolytic	AE
Q8002	9DK001-20012	J	2SA1037AKQ	AE	C8040	9DK001-42161	J 0.047	25V Ceramic	AB
Q8005	9DK001-20012	J	2SA1037AKQ	AE	C8041	9DK001-42161	J 0.047	25V Ceramic	AB
DIODES					C8042	9DK001-40091	J 100	4V Electrolytic	AF
D8005	9DK001-30018	J	1SS187(D3)	AD	C8043	9DK001-42161	J 0.047	25V Ceramic	AB
D8009	9DK001-30018	J	1SS187(D3)	AD	C8044	9DK001-42161	J 0.047	25V Ceramic	AB
D8035	9DK001-30018	J	1SS187(D3)	AD	C8045	9DK001-42161	J 0.047	25V Ceramic	AB
PACKAGED CIRCUITS					C8046	9DK001-42103	J 15p	50V Ceramic	AC
X8001	9DK001-80038	J	Crystal, 16.588MHz	AN	C8047	9DK001-42103	J 15p	50V Ceramic	AC
X8004	9DK001-80027	J	Crystal, 25.000MHz	AR	C8048	9DK001-40081	J 22	6.3V Electrolytic	AF
X8005	9DK001-80039	J	Crystal, 37.500MHz	AR	C8049	9DK001-42157	J 0.1	25V Ceramic	AC
X8006	9DK001-80034	J	Crystal, 24.576MHz	AN	C8050	9DK001-40081	J 22	6.3V Electrolytic	AF
X8007	9DK001-80015	J	Crystal, 32.768kHz	AS	C8051	9DK001-42156	J 1	10V Ceramic	AC
FILTERS AND COILS					C8052	9DK001-42157	J 0.1	25V Ceramic	AC
FL8001	9DK001-50121	J	10 1/10W Chip 2125	AB	C8053	9DK001-42157	J 0.1	25V Ceramic	AC
FL8002	9DK001-50110	J	0 1/10W Chip 2125	AB	C8054	9DK001-42157	J 0.1	25V Ceramic	AC
FL8003	9DK001-81020	J	Filter BMK351	AG	C8055	9DK001-42157	J 0.1	25V Ceramic	AC
FL8041	9DK001-81020	J	Filter BMK351	AG	C8056	9DK001-42157	J 0.1	25V Ceramic	AF
FL8094	9DK001-81020	J	Filter BMK351	AG	C8057	9DK001-40091	J 100	4V Electrolytic	AF
FL8103	9DK001-81020	J	Filter BMK351	AG	C8058	9DK001-42161	J 0.047	25V Ceramic	AB
FL8098	9DK001-50110	J	0 1/10W Chip 2125	AB	C8059	9DK001-42161	J 0.047	25V Ceramic	AB
FL8099	9DK001-50110	J	0 1/10W Chip 2125	AB	C8060	9DK001-42157	J 0.1	25V Ceramic	AC
FL8110	9DK001-50110	J	0 1/10W Chip 2125	AB	C8062	9DK001-42161	J 0.047	25V Ceramic	AB
FL8114	9DK001-50110	J	0 1/10W Chip 2125	AB	C8063	9DK001-42157	J 0.1	25V Ceramic	AC
L8003	9DK001-81059	J	NLC322522T 1.0μH	AE	C8064	9DK001-42157	J 0.1	25V Ceramic	AC
L8004	9DK001-81059	J	NLC322522T 3.3μH	AE	C8065	9DK001-42157	J 0.1	25V Ceramic	AC
L8005	9DK001-81059	J	NLC322522T 3.3μH	AE	C8066	9DK001-40091	J 100	4V Electrolytic	AF
L8006	9DK001-81062	J	BLM21P221SG	AE	C8069	9DK001-42096	J 0.01	50V Ceramic	AC
L8011	9DK001-81059	J	NLC322522T 3.3μH	AE	C8070	9DK001-42161	J 0.047	25V Ceramic	AB
L8012	9DK001-81059	J	NLC322522T 3.3μH	AE	C8071	9DK001-42096	J 0.01	50V Ceramic	AC
L8013	9DK001-81062	J	BLM21P221SG	AE	C8072	9DK001-42157	J 0.1	25V Ceramic	AC
L8014	9DK001-81059	J	NLC322522T 3.3μH	AE	C8073	9DK001-42157	J 0.1	25V Ceramic	AC
L8015	9DK001-81062	J	BLM21P221SG	AE	C8074	9DK001-42157	J 0.1	25V Ceramic	AC
L8022	9DK001-81059	J	NLC322522T 3.3μH	AE	C8075	9DK001-42157	J 0.1	25V Ceramic	AC
CAPACITORS					C8076	9DK001-42157	J 0.1	25V Ceramic	AC
C8003	9DK001-42157	J	0.1 25V Ceramic	AC	C8077	9DK001-42157	J 0.1	25V Ceramic	AC
C8004	9DK001-42099	J	100p 50V Ceramic	AC	C8078	9DK001-42161	J 0.047	25V Ceramic	AB
C8005	9DK001-42161	J	0.047 25V Ceramic	AB	C8085	9DK001-42157	J 0.1	25V Ceramic	AC
C8007	9DK001-42156	J	1 10V Ceramic	AC	C8082	9DK001-42162	J 0.33	10V Ceramic	AB
C8008	9DK001-42157	J	0.1 25V Ceramic	AC	C8083	9DK001-40081	J 22	6.3V Electrolytic	AF
C8009	9DK001-42157	J	0.1 25V Ceramic	AC	C8140	9DK001-42161	J 0.047	25V Ceramic	AB
C8010	9DK001-42160	J	10 6.3V Ceramic	AB	C8141	9DK001-42161	J 0.047	25V Ceramic	AB
C8012	9DK001-42103	J	15p 50V Ceramic	AC	C8142	9DK001-42161	J 0.047	25V Ceramic	AB
C8013	9DK001-42103	J	15p 50V Ceramic	AC	C8150	9DK001-42157	J 0.1	25V Ceramic	AC
					C8151	9DK001-42157	J 0.1	25V Ceramic	AC
					C8152	9DK001-42157	J 0.1	25V Ceramic	AC
					C8153	9DK001-42157	J 0.1	25V Ceramic	AC
					C8154	9DK001-42157	J 0.1	25V Ceramic	AC
					C8155	9DK001-42157	J 0.1	25V Ceramic	AC
					C8156	9DK001-42157	J 0.1	25V Ceramic	AC
					C8157	9DK001-42157	J 0.1	25V Ceramic	AC
					C8158	9DK001-42157	J 0.1	25V Ceramic	AC
					C8159	9DK001-42157	J 0.1	25V Ceramic	AC
					C8160	9DK001-42157	J 0.1	25V Ceramic	AC

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CPCi-A002CE01									
PC I/F UNIT (Continued)									
C8161	9DK001-42157	J 0.1	25V Ceramic	AC	C8666	9DK001-42096	J 0.01	50V Ceramic	AC
C8162	9DK001-42157	J 0.1	25V Ceramic	AC	C8668	9DK001-42157	J 0.1	25V Ceramic	AC
C8163	9DK001-42157	J 0.1	25V Ceramic	AC	C8670	9DK001-42157	J 0.1	25V Ceramic	AC
C8164	9DK001-42157	J 0.1	25V Ceramic	AC	C8672	9DK001-42157	J 0.1	25V Ceramic	AC
C8165	9DK001-42157	J 0.1	25V Ceramic	AC	C8678	9DK001-42157	J 0.1	25V Ceramic	AC
C8166	9DK001-42158	J 3900p	16V Film	AL	C8682	9DK001-42157	J 0.1	25V Ceramic	AC
C8167	9DK001-42159	J 0.039	16V Film	AG	C8685	9DK001-42157	J 0.1	25V Ceramic	AC
C8169	9DK001-42157	J 0.1	25V Ceramic	AC	C8686	9DK001-42157	J 0.1	25V Ceramic	AC
C8170	9DK001-42157	J 0.1	25V Ceramic	AC	C8687	9DK001-42157	J 0.1	25V Ceramic	AC
C8171	9DK001-42157	J 0.1	25V Ceramic	AC	C8688	9DK001-42157	J 0.1	25V Ceramic	AC
C8174	9DK001-42157	J 0.1	25V Ceramic	AC	C8689	9DK001-42157	J 0.1	25V Ceramic	AC
C8176	9DK001-42157	J 0.1	25V Ceramic	AC	C8697	9DK001-42157	J 0.1	25V Ceramic	AC
C8177	9DK001-42157	J 0.1	25V Ceramic	AC	C8708	9DK001-40090	J 47	4V Electrolytic	AC
C8192	9DK001-42157	J 0.1	25V Ceramic	AC	C8759	9DK001-42157	J 0.1	25V Ceramic	AC
C8197	9DK001-42157	J 0.1	25V Ceramic	AC	C8901	9DK001-42157	J 0.1	25V Ceramic	AC
C8205	9DK001-42157	J 0.1	25V Ceramic	AC	C8904	9DK001-42157	J 0.1	25V Ceramic	AC
C8214	9DK001-42157	J 0.1	25V Ceramic	AC	C8905	9DK001-42157	J 0.1	25V Ceramic	AC
C8218	9DK001-42157	J 0.1	25V Ceramic	AC	C8906	9DK001-42157	J 0.1	25V Ceramic	AC
C8366	9DK001-40091	J 100	4V Electrolytic	AC	C8910	9DK001-42157	J 0.1	25V Ceramic	AC
C8375	9DK001-40091	J 100	4V Electrolytic	AC	C8915	9DK001-42157	J 0.1	25V Ceramic	AC
C8575	9DK001-42157	J 0.1	25V Ceramic	AC	C8916	9DK001-42115	J 10p	50V Ceramic	AC
C8576	9DK001-42156	J 1	10V Ceramic	AC	C8918	9DK001-42157	J 0.1	25V Ceramic	AC
C8577	9DK001-42156	J 1	10V Ceramic	AC	C8920	9DK001-42115	J 10p	50V Ceramic	AC
C8578	9DK001-42156	J 1	10V Ceramic	AC	C8923	9DK001-42157	J 0.1	25V Ceramic	AC
C8579	9DK001-42156	J 1	10V Ceramic	AC	C8924	9DK001-42157	J 0.1	25V Ceramic	AC
C8580	9DK001-42157	J 0.1	25V Ceramic	AC	C8930	9DK001-42157	J 0.1	25V Ceramic	AC
C8581	9DK001-42156	J 1	10V Ceramic	AC	C8902	9DK001-42156	J 1	10V Ceramic	AC
C8582	9DK001-42156	J 1	10V Ceramic	AC	C8909	9DK001-42156	J 1	10V Ceramic	AC
C8583	9DK001-42156	J 1	10V Ceramic	AC	C8911	9DK001-42156	J 1	10V Ceramic	AC
C8584	9DK001-42157	J 0.1	25V Ceramic	AC	C8912	9DK001-42156	J 1	10V Ceramic	AC
C8585	9DK001-42157	J 0.1	25V Ceramic	AC	C8913	9DK001-42156	J 1	10V Ceramic	AC
C8586	9DK001-42156	J 1	10V Ceramic	AC	C8914	9DK001-42156	J 1	10V Ceramic	AC
C8589	9DK001-42156	J 1	10V Ceramic	AC	C8917	9DK001-42156	J 1	10V Ceramic	AC
C8590	9DK001-42156	J 1	10V Ceramic	AC	C8919	9DK001-40110	J 68	4V Electrolytic	AM
C8591	9DK001-42156	J 1	10V Ceramic	AC	C8921	9DK001-40091	J 100	4V Electrolytic	AF
C8592	9DK001-42156	J 1	10V Ceramic	AC	C8922	9DK001-42162	J 0.33	10V Ceramic	AB
C8593	9DK001-42156	J 1	10V Ceramic	AC	C8925	9DK001-42160	J 10	6.3V Ceramic	AB
C8594	9DK001-42157	J 0.1	25V Ceramic	AC	C8927	9DK001-40091	J 100	4V Electrolytic	AF
C8595	9DK001-42157	J 0.1	25V Ceramic	AC	C8928	9DK001-40091	J 100	4V Electrolytic	AF
C8596	9DK001-42156	J 1	10V Ceramic	AC	C8931	9DK001-42161	J 0.047	25V Ceramic	AB
C8597	9DK001-42157	J 0.1	25V Ceramic	AC	C8932	9DK001-42156	J 1	10V Ceramic	AC
C8598	9DK001-42156	J 1	10V Ceramic	AC	RESISTORS				
C8599	9DK001-42156	J 1	10V Ceramic	AC	R8001	9DK001-51030	J 10k	1/16W Resistor Array	AD
C8600	9DK001-42157	J 0.1	25V Ceramic	AC	R8002	9DK001-50149	J 0	1/16W Chip 1608	AB
C8601	9DK001-42157	J 0.1	25V Ceramic	AC	R8003	9DK001-50179	J 2.2k	1/16W Chip 1608	AA
C8602	9DK001-40091	J 100	4V Electrolytic	AC	R8008	9DK001-51030	J 10k	1/16W Resistor Array	AD
C8603	9DK001-42157	J 0.1	25V Ceramic	AC	R8011	9DK001-51045	J 100	1/16W Resistor Array	AB
C8607	9DK001-42157	J 0.1	25V Ceramic	AC	R8017	9DK001-50183	J 4.7k	1/16W Chip 1608	AA
C8609	9DK001-42157	J 0.1	25V Ceramic	AC	R8018	9DK001-50186	J 22k	1/16W Chip 1608	AA
C8611	9DK001-42157	J 0.1	25V Ceramic	AC	R8022	9DK001-51030	J 10k	1/16W Resistor Array	AD
C8613	9DK001-42157	J 0.1	25V Ceramic	AC	R8025	9DK001-51030	J 10k	1/16W Resistor Array	AD
C8615	9DK001-42157	J 0.1	25V Ceramic	AC	R8026	9DK001-51037	J 6.8k	1/16W Resistor Array	AD
C8617	9DK001-42157	J 0.1	25V Ceramic	AC	R8027				
C8619	9DK001-42157	J 0.1	25V Ceramic	AC	R8028	9DK001-50149	J 0	1/16W Chip 1608	AB
C8621	9DK001-42157	J 0.1	25V Ceramic	AC	R8029	9DK001-50275	J 6.8	1/16W Chip 1608	AB
C8623	9DK001-42157	J 0.1	25V Ceramic	AC	R8032	9DK001-50150	J 10	1/16W Chip 1608	AA
C8625	9DK001-42157	J 0.1	25V Ceramic	AC	R8035	9DK001-50149	J 0	1/16W Chip 1608	AB
C8627	9DK001-42157	J 0.1	25V Ceramic	AC	R8036	9DK001-50177	J 1k	1/16W Chip 1608	AA
C8629	9DK001-42157	J 0.1	25V Ceramic	AC	R8037	9DK001-50159	J 22	1/16W Chip 1608	AA
C8631	9DK001-42157	J 0.1	25V Ceramic	AC	R8038	9DK001-50150	J 10	1/16W Chip 1608	AA
C8633	9DK001-42157	J 0.1	25V Ceramic	AC	R8039	9DK001-50150	J 10	1/16W Chip 1608	AA
C8635	9DK001-42157	J 0.1	25V Ceramic	AC	R8040	9DK001-50044	J 68	1/10W Chip 2125	AB
C8637	9DK001-42157	J 0.1	25V Ceramic	AC	R8041	9DK001-50275	J 6.8	1/16W Chip 1608	AB
C8638	9DK001-42157	J 0.1	25V Ceramic	AC	R8042	9DK001-50159	J 22	1/16W Chip 1608	AA
C8640	9DK001-42157	J 0.1	25V Ceramic	AC	R8045	9DK001-50044	J 68	1/10W Chip 2125	AB
C8641	9DK001-42157	J 0.1	25V Ceramic	AC	R8046	9DK001-50275	J 6.8	1/16W Chip 1608	AB
C8648	9DK001-42157	J 0.1	25V Ceramic	AC	R8047	9DK001-50159	J 22	1/16W Chip 1608	AA
C8649	9DK001-42157	J 0.1	25V Ceramic	AC	R8048	9DK001-50044	J 68	1/10W Chip 2125	AB
C8656	9DK001-42157	J 0.1	25V Ceramic	AC	R8054	9DK001-50149	J 0	1/16W Chip 1608	AB
C8658	9DK001-42157	J 0.1	25V Ceramic	AC	R8063	9DK001-50236	J 910	1/16W Chip 1608	AB
C8662	9DK001-42157	J 0.1	25V Ceramic	AC	R8064	9DK001-50213	J 2k	1/16W Chip 1608	AB
					R8067	9DK001-51037	J 6.8k	1/16W Resistor Array	AD
					R8069	9DK001-50149	J 0	1/16W Chip 1608	AB
					R8073	9DK001-50185	J 10k	1/16W Chip 1608	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CPCi-A002CE01					R8997	9DK001-50149	J 0	1/16W Chip 1608	AB
PC I/F UNIT (Continued)					R8998	9DK001-50177	J 1k	1/16W Chip 1608	AA
R8074	9DK001-50185	J 10k	1/16W Chip 1608	AA	R8999	9DK001-50303	J 39	1/10W Chip 2125	AA
R8075	9DK001-50159	J 22	1/16W Chip 1608	AA	SWITCH				
R8080	9DK001-50044	J 68	1/10W Chip 2125	AB	SW80019DK001-70012	J SSSS811101			AL
R8083	9DK001-50159	J 22	1/16W Chip 1608	AA	MISCELLANEOUS PARTS				
R8088	9DK001-50044	J 68	1/10W Chip 2125	AB	SC8001	9DK001-60078	J 54230-0808		AQ
R8091	9DK001-50159	J 22	1/16W Chip 1608	AA	SC8002	9DK001-60078	J 54230-0808		AQ
R8096	9DK001-50044	J 68	1/10W Chip 2125	AB		9DK001-99055	J CPV-1.0-039039		AQ
R8097	9DK001-50185	J 10k	1/16W Chip 1608	AA		9DK001-99056	J CPV-1.0-013019		AE
R8104	9DK001-50149	J 0	1/16W Chip 1608	AB		PSLDM A008WJFW	J Shield		AK
R8107	9DK001-50149	J 0	1/16W Chip 1608	AB		NSFTZA001WJFW	J Shaft		AD
R8109	9DK001-51037	J 6.8k	1/16W Resistor Array	AD		9DK001-99058	J EDS-0607M		AE
R8110	9DK001-51037	J 6.8k	1/16W Resistor Array	AD					
R8114	9DK001-50303	J 39	1/10W Chip 2125	AA					
R8117	9DK001-50298	J 120	1/4W Chip 3216	AB					
R8121	9DK001-50292	J 8.2	1/4W Chip 3216	AA					
R8122	9DK001-50292	J 8.2	1/4W Chip 3216	AA					
R8134	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8138	9DK001-50177	J 1k	1/16W Chip 1608	AA					
R8139	9DK001-50177	J 1k	1/16W Chip 1608	AA					
R8140	9DK001-50177	J 1k	1/16W Chip 1608	AA					
R8143	9DK001-50177	J 1k	1/16W Chip 1608	AA					
R8152	9DK001-42161	J 0.047	25V Ceramic	AB					
R8153	9DK001-42161	J 0.047	25V Ceramic	AB					
R8155	9DK001-42161	J 0.047	25V Ceramic	AB					
R8156	9DK001-42161	J 0.047	25V Ceramic	AB					
R8157	9DK001-50159	J 22	1/16W Chip 1608	AA					
R8158	9DK001-42161	J 0.047	25V Ceramic	AB					
R8159	9DK001-42161	J 0.047	25V Ceramic	AB					
R8160	9DK001-42161	J 0.047	25V Ceramic	AB					
R8161	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8162	9DK001-50183	J 4.7k	1/16W Chip 1608	AA					
R8165	9DK001-50181	J 3.3k	1/16W Chip 1608	AA					
R8166	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8170	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8172	9DK001-50185	J 10k	1/16W Chip 1608	AA					
R8174	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8176	9DK001-50224	J 150	1/4W Chip 3216	AB					
R8178	9DK001-50185	J 10k	1/16W Chip 1608	AA					
R8180	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8199	9DK001-51037	J 6.8k	1/16W Resistor Array	AD					
R8201	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8500	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8503	9DK001-50185	J 10k	1/16W Chip 1608	AA					
R8509	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8510	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8511	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8512	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8513	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8521	9DK001-51030	J 10k	1/16W Resistor Array	AD					
R8552	9DK001-50161	J 47	1/16W Chip 1608	AA					
R8654	9DK001-50204	J 150	1/16W Chip 1608	AA					
R8688	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8690	9DK001-50173	J 470	1/16W Chip 1608	AA					
R8692	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8693	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8694	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8695	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8696	9DK001-50185	J 10k	1/16W Chip 1608	AA					
R8697	9DK001-50185	J 10k	1/16W Chip 1608	AA					
R8698	9DK001-50185	J 10k	1/16W Chip 1608	AA					
R8699	9DK001-50185	J 10k	1/16W Chip 1608	AA					
R8700	9DK001-50218	J 20k	1/16W Chip 1608	AA					
R8701	9DK001-50257	J 75	1/16W Chip 1608	AA					
R8800	9DK001-50149	J 0	1/16W Chip 1608	AB					
R8801	9DK001-50205	J 1.8k	1/16W Chip 1608	AA					
R8867	9DK001-50275	J 6.8	1/16W Chip 1608	AB					
R8868	9DK001-50275	J 6.8	1/16W Chip 1608	AB					
R8869	9DK001-50275	J 6.8	1/16W Chip 1608	AB					
R8994	9DK001-50236	J 910	1/16W Chip 1608	AB					
R8995	9DK001-50199	J 2.15k	1/16W Chip 1608	AB					
R8996	9DK001-50149	J 0	1/16W Chip 1608	AB					

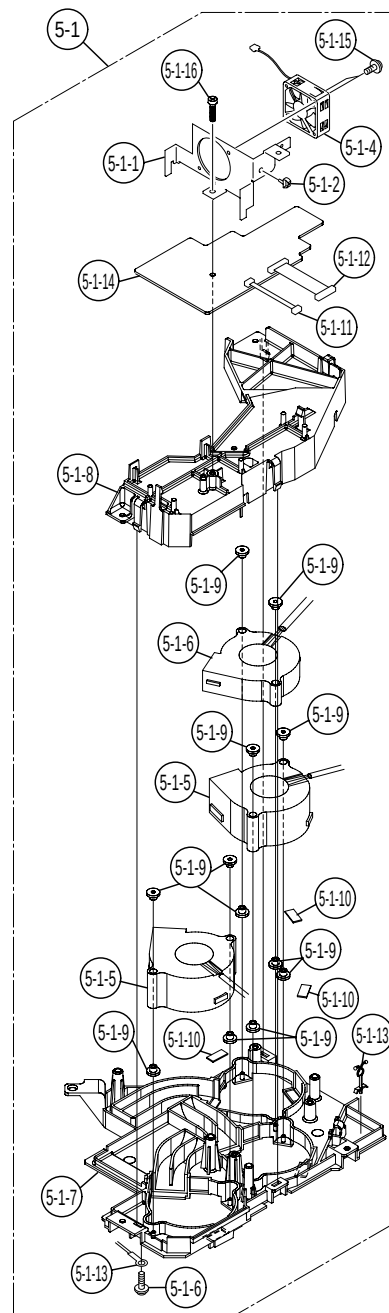
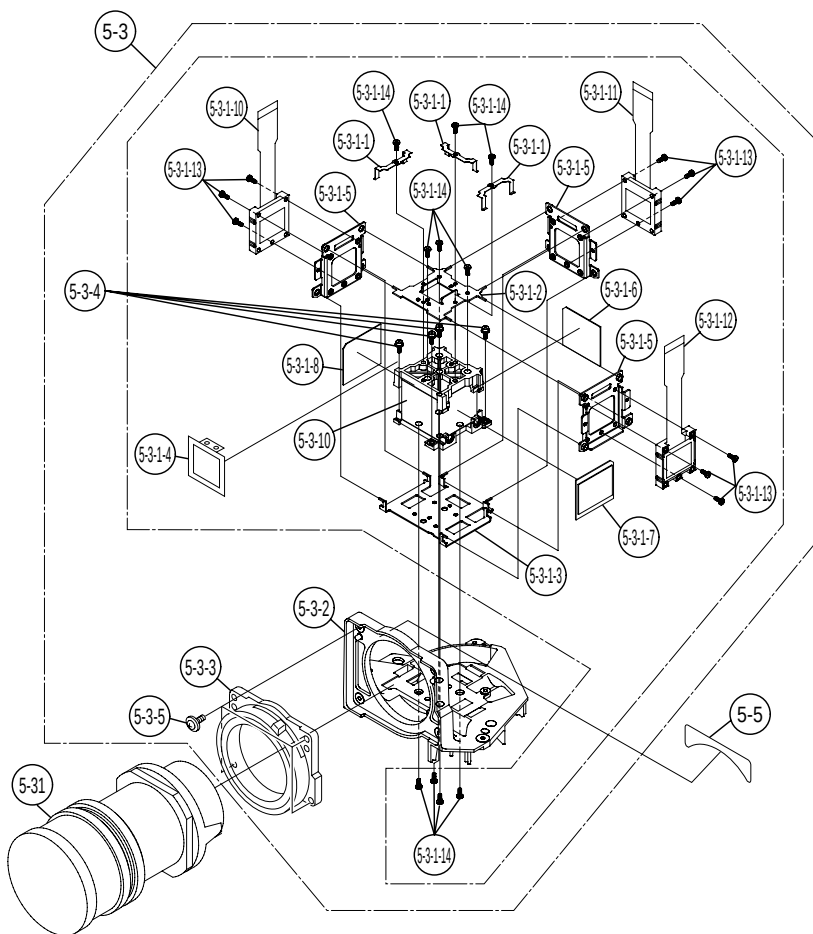
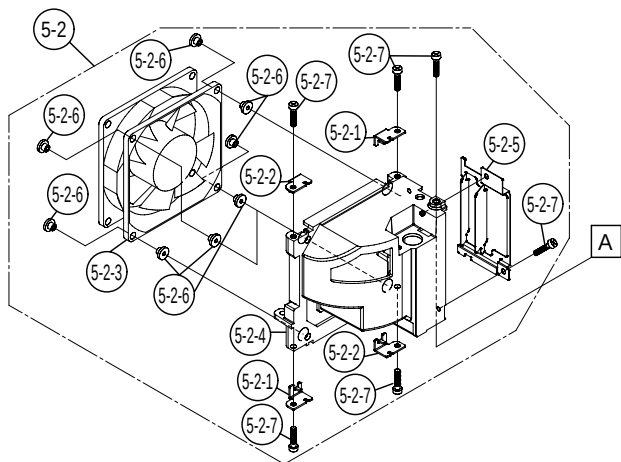
CABINET AND MECHANICAL PARTS



Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS					3-29	LANGKA075WJFW	J	Angle	AG
					3-30	XJPSF30P08000	J	Screw, x1	AA
					3-31	PGIDJA001WJKZ	J	Spacer	
1	<i>Not Available</i>	—	Rear Body Unit Ass'y	—	4	<i>Not Available</i>	—	Speaker Net Ass'y	—
1-1	DBDYRA001WJ01	J	Rear Body Ass'y	AZ	4-1	DBFL-A001WJ01	J	Speaker Net Ass'y	
1-1-1	<i>Not Available</i>	—	Rear Body	—	4-2	QCNW-5062CEZZ	J	Connection Cord(SP)	AE
1-1-2	HiNDPA084WJSA	J	Terminal Indication Panel	AH	4-3	VSP7040PB568A	J	Speaker	AL
1-1-3	HiNDPA085WJZZ	J	Earth Label	AD	4-4	XEBSD30P08000	J	Screw, x4	AA
1-1-4	HiNDPA088WJZZ	J	Lamp Replacement Label	AE					
1-1-5	PSPAKA008WJ00	J	Spacer, x2	AD	5	Refer to Optical Mechanism parts			
1-2	LX-HZ3106CEFD	J	Screw, x1	AB					
1-3	LX-NZ3173CEFW	J	Insert Nut, x1	AD	6	<i>Not Available</i>	—	Lamp Door Unit Ass'y	—
2	<i>Not Available</i>	—	Top Body Unit Ass'y	—	6-1	DDORRA001WJ01	J	Lamp Door Ass'y	AQ
2-1	DBDYTA002WJ01	J	Top Body Ass'y	BE	6-1-1	<i>Not Available</i>	—	Lamp Door	—
2-1-1	<i>Not Available</i>	—	Top Body	—	6-1-2	HiNDPA086WJZZ	J	Caution Label	AF
2-1-2	GCOVAA032WJKA	J	LED Cover	BB	6-1-3	HiNDPA087WJZZ	J	Caution Label	AE
2-1-3	<i>Not Available</i>	—	"SHARP" Badge	—	6-1-4	PSPAHA070WJ00	J	Spacer	AB
2-1-4	HiNDPA057WJSA	J	"IQ" Label	AF	6-1-5	PSPAHA071WJ00	J	Spacer	AB
2-2	DBTN-A013WJ01	J	Operation Button Ass'y	AX	6-1-6	PSPAHA072WJ00	J	Spacer	AA
2-2-1	<i>Not Available</i>	—	Operation Button	—	6-2	LX-BZ3366CEFN	J	Screw, x1	AD
2-2-2	HDECQA025WJKA	J	LED Cover	AH	6-3	XRESJ30-06000	J	E-ring, x1	AA
2-2-3	HDECQA026WJKA	J	LED Cover	AH					
2-2-4	HDECQA027WJKA	J	LED Cover	AH	7	CCOVAA027WJKA	J	Lens Cover(Upper) Ass'y	AR
2-3	JBTN-A014WJKA	J	Height Adjust Button	AE	8	GCOVAA028WJKA	J	Lens Cover(Lower)	AH
2-4	LANGKA006WJFW	J	Fixing Angle	AD	9	HPNC-A003WJFW	J	Cooling Fan Attaching Angle	AP
2-5	MSPRCA001WJFW	J	Spring, for Height Adjust Button	AB	10	LANGTA007WJFW	J	AC Socket Attaching Angle	AD
2-6	PSPAT0013CEZZ	J	Tape, x4	AC	11	LHLDW1003GEZZ	J	Wire Holer, x1	AA
2-7	QCNW-A492WJZZ	J	Leaf Switch	AH	12	LHLDW1060CEZZ	J	Wire Holer, x1	AB
2-8	XBPSF26P06000	J	Screw, x1	AA	13	LHLDZA009WJKZ	J	PWB Holder	BB
2-9	XEBSD30P08000	J	Screw, x1	AA	14	LX-BZA020WJZZ	J	Screw, x2	
2-10	XEPSD26P08000	J	Screw, x1	AA	15	LX-HZA007WJFD	J	Screw, x4	AB
					16	NFANRA004WJZZ	J	Cooling Fan	AR
3	<i>Not Available</i>	—	Bottom Body Unit Ass'y	—	17	PCAPFA003WJSA	J	Lens Cap	AG
3-1	DBDYUA003WJ01	J	Bottom Body Ass'y	BE	18	PSPAGA036WJZZ	J	Fan Spacer, x6	AD
3-1-1	<i>Not Available</i>	—	Bottom Body	—	19	PZETKA004WJZZ	J	Shield, for Ballast Unit	AQ
3-1-2	HiNDPA089WJSA	J	Model Label	AN	20	PZETKA005WJ00	J	Shield, for Output Unit	AP
3-1-3	HiNDPA090WJSA	J	FCC Label	AL	21	PZETZA004WJKZ	J	Insulating Sheet	AD
3-1-4	HiNDPA114WJSB	J	Hot Caution Label	AD	22	DUNTKB170DE01	—	Input Unit	—
3-1-5	<i>Not Available</i>	—	Kensington Standard Security Connector	—	23	DUNTKB171FE01	—	Output Unit	—
3-1-6	LX-NZ3120CEFW	J	Insert Nut(R)	AB	24	DUNTKB172DE01	—	Key Unit	—
3-1-7	LX-NZ3122CEFW	J	Insert Nut(L)	AC	25	DUNTKB173DE01	—	R/C Receiver Unit	—
3-1-8	PFIILDA003WJZZ	J	PBS Filter	AG	26	RUNTKA021WJZZ	—	AC Inlet Unit	—
3-2	DCOVAA029WJ01	J	Bottom Filter Cover Ass'y	AR	27	CPCI-A002CE01	J	PC I/F Unit	CW
3-2-1	<i>Not Available</i>	—	Bottom Filter Cover	—	28	RDENCA011WJZZ	—	Power Unit	—
3-2-2	HPNC-A002WJSA	J	Intake Punching Cover	AL	29	RDENCA012WJZZ	J	Ballast Unit	CB
3-3	GCOVA1824CESA	J	R/C Cover	AD	30	QCNW-A491WJZZ	J	Bi-Metal	AM
3-4	GCOVAA030WJKA	J	Exhaust Panel	AM	31	QCNW-A774WJZZ	J	Connecting Cord(FG)	AD
3-5	GCOVAA038WJKA	J	Handle Cover, x2	AF	32	QCNW-A496WJZZ	J	Connecting Cord	AG
3-6	GLEGPA003WJKA	J	Adjuster Foot(Front)	AW	33	QCNW-A899WJZZ	J	Connecting Cord	AD
3-7	GLEGPA004WJKA	J	Adjuster Foot(Rear, Right)	AH	34	QCNW-A495WJZZ	J	Connecting Cord	AD
3-8	GLEGPA005WJKA	J	Adjuster Foot(Rear, Left)	AH	35	XBBSD40P12000	J	Screw, x1	AB
3-9	HPNC-A001WJSA	J	Punching Cover	AL	36	XBBSF30P10000	J	Screw, x4	AA
3-10	JHNDAA001WJKA	J	Carrying Handle	BH	37	XBPSD30P06R00	J	Screw, x16	AB
3-11	LANGKA040WJFW	J	Anti-Theft Angle	AD	38	XEBSD30P08000	J	Screw, x4	AA
3-12	LX-HZ3105CEFD	J	Screw, for Insert Nut, x1	AB	39	XEBSD30P12000	J	Screw, x13	AA
3-13	LX-NZ3095CEFD	J	Nut Screw(R)	AA	40	XEBSF30P12000	J	Screw, x10	AA
3-14	LX-NZ3123CEFE	J	Nut Screw(L)	AD	41	NSFTZ0134CEFW	J	Shaft Screw, x6	AD
3-15	LX-NZ3173CEFW	J	Insert Nut, x1	AD	42	NSFTZA001WJFW	J	Shaft Screw, x4	AD
3-16	LX-NZA003WJFW	J	Nut, x3	AD	43	GCOVHA014WJKZ	J	Shading Cover	AD
3-17	PFIILDA002WJZZ	J	Filter	AE	44	LANGTA005WJFW	J	Attaching Angle, x2	AE
3-18	PSLDMA074WJZZ	J	Shield	AK	45	LANGTA006WJFW	J	Attaching Angle, x1	AG
3-19	PSPAH0648CE00	J	Spacer, x2	AB	46	PSLDMA008WJFW	J	Shield	AK
3-20	PSPAT0013CEZZ	J	Tape, x1	AC	47	LHLDW1021GE00	J	Wire Holder, x1	AC
3-21	PZETKA013WJZZ	J	Shield Spacer, x1	AG	49	PSPAZA061WJZZ	J	Spacer, x2	AD
3-22	PZETKA014WJZZ	J	Shield Spacer, x1	AH	50	PSLDMA009WJFW	J	Terminal Shield	AH
3-23	PZETKA015WJZZ	J	Shield Spacer, x1	AD	51	TLABNA053WJZZ	J	Serial No. Label(XG-C50XU)	AC
3-24	QCNW-A493WJZZ	J	Leaf Switch	AF	51	TLABNA110WJZZ	J	Serial No. Label(XG-C50XE)	AE
3-25	XBPSD30P08JS0	J	Screw, x8	AA	51	TLABNA111WJZZ	J	Serial No. Label(XG-C50XK)	AG
3-26	XBPSD40P05J00	J	Screw, x3	AA	52	95KECB8034ZZ	J	Connecting Cord	
3-27	XEBSD30P12000	J	Screw, x7	AA	53	95KEDB7717ZZ	J	Connecting Cord	
3-28	XEPSD26P08000	J	Screw, x1	AA					

OPTICS MECHANISM PARTS-1/2

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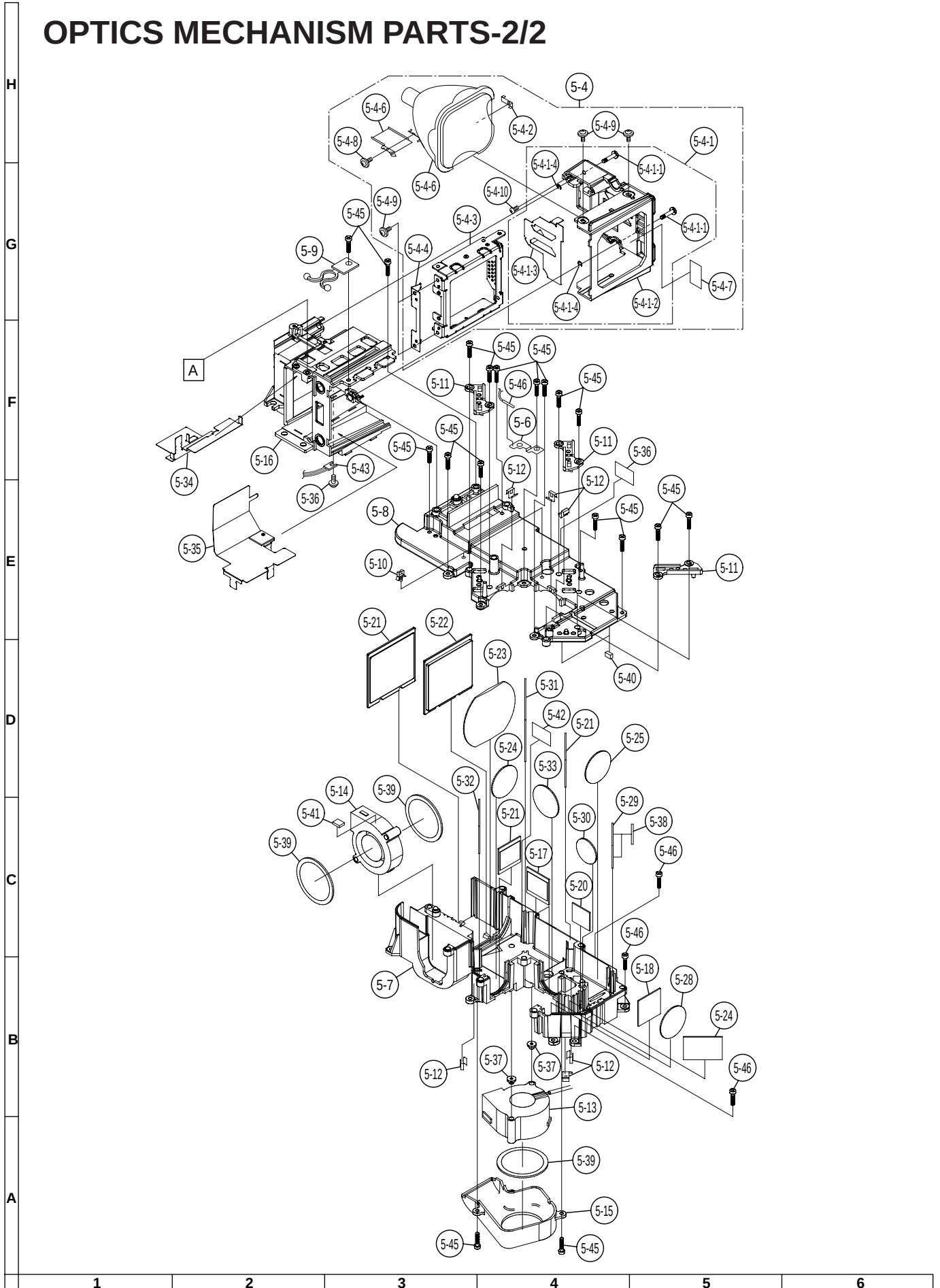
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OPTICS MECHANISM PARTS-2/2



Ref. No.	Part No.	★	Description	Code
OPTICAL MECHANISM PARTS				
5	CCHSKA001WJ01	J	Optical Mechanism Unit	FX
5-1	<i>Not Available</i>	—	Intake Duct Ass'y	—
5-1-1	LANGKA009WJFW	J	IC Fan Angle	AH
5-1-2	LHLDW1037CEZZ	J	Wire Holder, x1	AA
5-1-3	LHLDW1182CEZZ	J	Cable Clamp, x1	AC
5-1-4	NFANRA005WJZZ	J	Cooling Fan, x1	AR
5-1-5	NFANSA002WJZZ	J	Blow Fan, x2	AV
5-1-6	NFANSA003WJZZ	J	Blow Fan, x1	AU
5-1-7	PDUC-A001WJKZ	J	Intake Duct(Bottom)	AN
5-1-8	PDUC-A002WJKZ	J	Intake Duct(Top)	AM
5-1-9	PSPAZ0373CEZZ	J	Spacer, for Fan, x12	AC
5-1-10	PSPAZA017WJZZ	J	Spacer, for Fan, x3	AB
5-1-11	QCNW-A498WJZZ	J	Connecting Cord(SO)	AF
5-1-12	QCNW-A499WJZZ	J	Connecting Cord(EB)	AH
5-1-13	RH-HXA002WJZZ	J	Thermister	AH
5-1-14	RUNTKA026WJZZ	J	Fan Unit	BD
5-1-15	XBPSD26P14000	J	Screw, x2	AA
5-1-16	XEBSD30P12000	J	Screw, x2	AA
5-2	<i>Not Available</i>	—	Exhaust Duct Ass'y	—
5-2-1	LANGKA004WJFW	J	Fixing Angle, x2	AD
5-2-2	LANGKA005WJFW	J	Fixing Angle, x2	AD
5-2-3	NFANRA003WJZZ	J	Exhaust Fan	AV
5-2-4	PDUC-A003WJKZ	J	Exhaust Duct	AQ
5-2-5	PSLDPA003WJFW	J	Heat Sink	AF
5-2-6	PSPAZ0373CEZZ	J	Spacer, for Fan, x8	AC
5-2-7	XEBSD30P12000	J	Screw, x5	AA
5-3	<i>Not Available</i>	—	Prism Holder Unit	—
5-3-1	CMiR-A004WJ01	J	Prism Unit	—
5-3-1-1	LANGKA001WJFW	J	Fixing Spring, x3	AD
5-3-1-2	LANGKA002WJFW	J	Fixing Angle(Upper)	AE
5-3-1-3	LANGKA003WJFW	J	Fixing Angle(Lower)	AE
5-3-1-4	LANGKA036WJ00	J	Light Shielding Angle	AK
5-3-1-5	LANGUA001WJFW	J	LCD Attaching Angle, x3	AH
5-3-1-6	PFILWA018WJZZ	J	Output Polarizer(G)	BF
5-3-1-7	PFILWA019WJZZ	J	Output Polarizer(B)	BG
5-3-1-8	PFILWA020WJZZ	J	Output Polarizer(R)	BG
5-3-1-9	<i>Not Available</i>	—	Cross Dichroic Prism	—
5-3-1-10	RLCDPA007WJZZ	—	R-LCD Panel	—
5-3-1-11	RLCDPA008WJZZ	—	G-LCD Panel	—
5-3-1-12	RLCDPA009WJZZ	—	B-LCD Panel	—
5-3-1-13	XASSF26P07000	J	Screw, x9	AC
5-3-1-14	XIPSF20P04000	J	Screw, x10	AA
5-3-2	LHLDZA002WJFW	J	Prism Holder	AZ
5-3-3	LHLDZA036WJFW	J	Lens Mount	BD
5-3-4	LX-BZ3248CEFF	J	Screw, x4	AB
5-3-5	XBPSF30P08JS0	J	Screw, x4	AA
5-4	BQC-XGC50X/I1	J	Lamp Unit	CQ
5-4-1	<i>Not Available</i>	—	Lamp Case Ass'y	—
5-4-2	LX-BZ3449CEFN	J	Screw, x2	AC
5-4-3	PCASZA002WJKZ	J	Lamp Case	AR
5-4-4	PSLDHA001WJFW	J	Heat Sink	AE
5-4-5	XREUW20-04000	J	E-ring, x2	AA
5-4-6	LANGKA072WJFW	J	Fixing Angle	AD
5-4-7	LANGUA002WJFW	J	Lamp Adjusting Angle	AN
5-4-8	MSPRKA002WJFW	J	Reflector Fixing Angle	AD
5-4-9	PSLDHA011WJFW	J	Heat Sink	AE
5-4-10	RLMPFA003WJZZ	J	Lamp	CL
5-4-11	TLABZA053WJZZ	J	Caution Label	AC
5-4-12	XBPNB30P06JS0	J	Screw, x2	AB
5-4-13	XBPSF30P08JS0	J	Screw, x6	AA
5-4-14	XEBSD30P12000	J	Screw, x1	AA
5-5	GCOVUA003WJKZ	J	Light Shield Plate	AD
5-6	LANGKA037WJFW	J	Temp. Sensor Attaching Angle	AD
5-7	LCHSKA001WJKZ	J	Optical Mecha. Unit, Base	AY
5-8	LCHSKA002WJKZ	J	Optical Mecha. Unit, Cover	AV
5-9	LHLDW1046CEZZ	J	Wire Holder	AA
5-10	LHLDW1076GEZZ	J	Cable Clamp Holder, x3	AA
5-11	LHLDZA001WJKZ	J	Mirror Adj. Holder, x3	AD
5-12	MSPRP1198CEFW	J	Mirror Fixing Spring, x6	AD
5-13	NFANSA002WJZZ	J	Blow Fan	AV
5-14	NFANSA003WJZZ	J	Blow Fan	AU

Ref. No.	Part No.	★	Description	Code
5-15	PCOVZA001WJKZ	J	PBS Fan Holder	AH
5-16	PCOVZA002WJKZ	J	Lamp House	AS
5-17	PFILWA021WJZZ	J	Incoming PF(G)	BB
5-18	PFILWA022WJZZ	J	Incoming PF(B)	BG
5-19	PFILWA023WJZZ	J	Incoming PF(R)	BD
5-20	PFILWA024WJZZ	J	UV Absorbing Filter	AU
5-21	PLNS-A006WJZZ	J	Fly-eye Lens-1	BE
5-22	PLNS-A007WJZZ	J	Fly-eye Lens-2	BS
5-23	PLNS-A008WJZZ	J	Condenser Lens-1	AX
5-24	PLNS-A009WJZZ	J	Condenser Lens-2, x2	AS
5-25	PLNS-A010WJZZ	J	Relay Lens-1	AT
5-26	PLNS-A011WJZZ	J	Relay Lens-2	AQ
5-27	PLNS-A012WJSA	J	Projection Lens	BZ
5-28	PLNS-A015WJZZ	J	Relay Lens-3	AS
5-29	PMiR-0219CEZZ	J	Reflection Mirror(M3)	AS
5-30	PMiR-A005WJZZ	J	Reflection Mirror(M1)	AZ
5-31	PMiR-A006WJZZ	J	Reflection Mirror(M2)	AV
5-32	PMiR-A008WJZZ	J	Reflection Mirror(M4)	AM
5-33	PMiR-A009WJZZ	J	Reflection Mirror(M5)	AL
5-34	PSLDHA003WJFW	J	Heat Sink, for Lamp House	AF
5-35	PSLDHA004WJFW	J	Heat Sink, for Lamp House	AF
5-36	PSPAT0076CEZZ	J	Teflon Tape, x2	AC
5-37	PSPAZ0373CEZZ	J	Fan Spacer, x2	AC
5-38	PSPAZA013WJZZ	J	Mirror Spacer, x10	AB
5-39	PSPAZA014WJZZ	J	Blow Fan Spacer, x3	AD
5-40	PSPAZA016WJZZ	J	Fixing Spacer, x13	AB
5-41	PSPAZA017WJZZ	J	Fan Spacer, x2	AB
5-42	PSPAZA090WJZZ	J	Glass Tape, x1	AF
5-43	QCNW-A546WJZZ	J	Connecting Cord	AG
5-44	RH-HXA003WJZZ	J	Temp. Sensor	AH
5-45	XBPSF30P08JS0	J	Screw, x22	AA
5-46	XEBSD30P12000	J	Screw, x4	AA

Ref. No.	Part No.	★	Description	Code
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SUPPLIED ACCESSORIES

	GCOVDA001WJZZ	J	Dust Cover	AL
	PFILDA005WJZZ	J	Extra Air Filter	AF
△	QACCB5024CENA	J	Power Cord(XG-C50XK)	AZ
△	QACCD A010WJPZ	J	Power Cord (for U.S., Canada, etc)	AR
△	QACCD A012WJPZ	J	Power Cord(for U.K., Hong Kong Singapore)	AR
△	QACCL3022CEZZ	J	Power Cord(for Australia, New Zealand and Oceania)	AZ
△	QACCV4002CEZZ	J	Power Cord (for Europe, except U.K.)	AZ
	QCNWGA012WJPZ	J	RGB Cable	AS
	QCNWGA013WJPZ	J	Computer Audio Cable	AK
	QCNWGA014WJPZ	J	USB Cable	AQ
	QCNWGA015WJPZ	J	DIN-D-sub RS-232C Adaptor	AK
	RCORF0083CEZZ	J	Core, for Power Cord (XG-C50XU)	AL
	RRMCGA029WJSA	J	Remote Control	BB
	TCAD E A009WJZZ	J	Questionnaire Card	AG
	TCAUZA015WJZZ	J	Stipulation Card	AE
	TGAN-A018WJZZ	J	Guarantee Card(XG-C50XU)	AF
	TGAN-A019WJZZ	J	Guarantee Card(XG-C50XU)	AF
	TGAN-A020WJZZ	J	Guarantee Card(XG-C50XU)	AF
	TGAN-A027WJZZ	J	Guarantee Card(XG-C50XU)	AF
	TINS-A139WJZZ	J	Operation Manual	AK
	TINS-A163WJZZ	J	Operation Manual	AQ
	UDSKAA005WJN1	J	CD-ROM(SAPS)	AM
	UDSKAA007WJZZ	J	CD-ROM(INS)	AM

Ref. No.	Part No.	★	Description	Code
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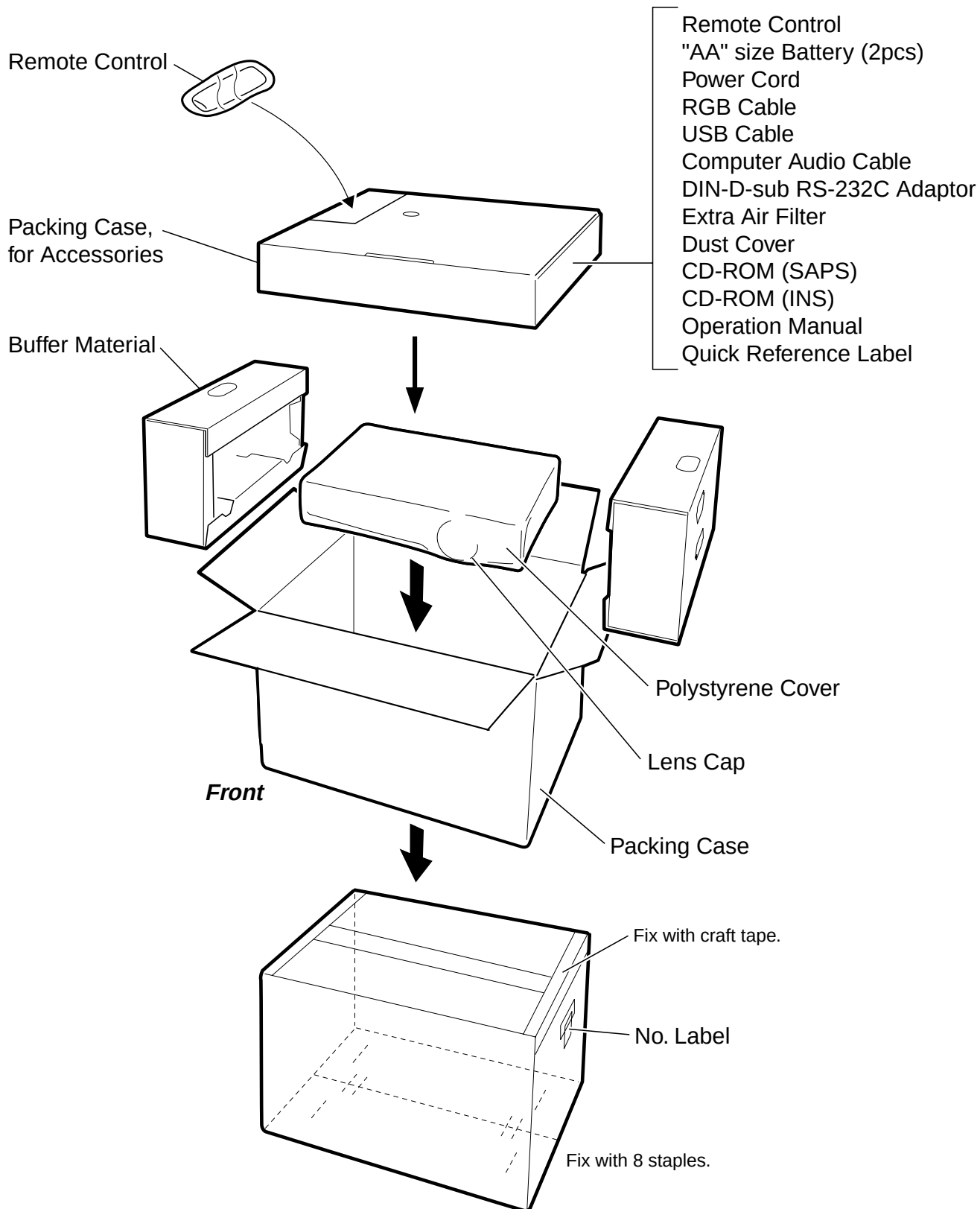
PACKING PARTS (NOT REPLACEMENT ITEM)

	SPAKCA231WJZZ	—	Packing Case	—
	SPAKFA040WJZZ	—	Packing Case, for Accessories	—
	SPAKFA071WJZZ	—	Partition	—
	SPAKP0805CEZZ	—	Polystyrene Cover	—
	SPAKXA053WJZZ	—	Buffer Material	—
	SSAKA0160CEZZ	—	Polyethylene Bag	—
	TLABK0001TAZZ	—	No. Label	—

EXTENSION CABLE (Use for servicing)

	QCNW-A537WJZZ	J	Connecting Cable (OUTPUT-PC I/F)	
	QCNW-A538WJZZ	J	Connecting Cable (OUTPUT-INPUT)	
	QCNW-5688CEZZ	J	Connecting Cable (OUTPUT-LCD), x3	BK

PACKING OF THE SET/VERPACKEN DES GERÄTS



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